

# **Department of Homeland Security Federal Emergency Management Agency**

## **General Info**

<b>Project #</b>	49545	<b>P/W #</b>	720	<b>Project Type</b>	Standard
<b>Project Category</b>	E - Buildings and Equipment			<b>Applicant</b>	PR Department of Health (000-U4OVB-00)
<b>Project Title</b>	MHOD253 A/E Technical Evaluation Building A and Pavilions (Annexes) and Permanent Work			<b>Event</b>	4339DR-PR (4339DR)
<b>Project Size</b>	Large			<b>Declaration Date</b>	9/20/2017
<b>Activity Completion Date</b>	9/20/2024			<b>Incident Start Date</b>	9/17/2017
<b>Process Step</b>	Obligated			<b>Incident End Date</b>	11/15/2017

## **Damage Description and Dimensions**

**The Disaster # 4339DR, which occurred between 09/17/2017 and 11/15/2017, caused:**

On September 20, 2017, Hurricane Maria brought heavy rain, strong winds, mudslides, flooding accumulation of vegetative and other debris, and damages to the Infrastructure throughout the Island of Puerto Rico. As a result the PR Department of Health's, an applicant with providing critical services all on their facilities, suffered extensive external and internal wind-driven rain damage from broken windows and compromised roofs along with electrical and mechanical Issues related to power surges and flying debris impacts.

The Sub-recipient experienced extensive damage of a complexity that they now require A&E services are for the technical evaluation of damages to facilitate the design of the recovery solution. This approach meets the intent of the FCO's Memorandum dated July 9, 2018 (Memorandum attached). The outcome of the A&E efforts will allow the Sub-recipient to Interface with FEMA and the Commonwealth of Puerto Rico during development of the Alternate Procedures 428 capped project for permanent repairs and industry standards compliance under the Bipartisan Budget Act of 2018 for the afore mentioned facilities. The Sub-recipient will require additional analysis in an initial sub award in order to adequately evaluate their needs.

## **Damage #143448; A/E Assesment Services**

### **General Facility Information:**

- **Facility Type:** Building
- **Building Type:** Hospital
- **Facility:** Building A - Centro Medico
- **Facility Description:** Hospital Laboratories
- **Approx. Year Built:** 1960
- **GPS Latitude/Longitude:** 18.39012, -66.07410
- **Number of Stories:** 2

### **General Damage Information:**

- **Date Damaged:** 11/17/2017
- **Cause of Damage:** A&E services for the technical evaluation of damages to facilitate the design of the recovery solution to building A of the Centro Medico.

## **Damage #151626; Laboratorio de Salud Pública de PR - Building A**

### **General Facility Information:**

- **Facility Type:** Building
- **Building Type:** Hospital
- **Facility:** Building A - Antiguo Hospital De Psiquiatria
- **Facility Description:** The original facility constructed in 1950's has two floors with a partial basement and subsequent additions. The partial basement with ground level entry includes 15,616 SF of offices and a conference room; the first floor includes 52,927 SF of administrative offices, and 4,296 SF of unconditioned storage and covered open space; and the second floor includes 27,461 SF of essential laboratories for all diseases found in the Commonwealth of Puerto Rico. This adds up to a total of 100,300 SF for the entire building.
- **Approx. Year Built:** 1950
- **Location Description:** 1111 Calle Ceaser Teniente, San Juan, PR 00929
- **GPS Latitude/Longitude:** 18.39006, -66.07375
- **Number of Stories:** 2

### **General Damage Information:**

- **Date Damaged:** 9/17/2017 to 11/15/2017
- **Cause of Damage:** During the declared incident period of Sunday, September 17, 2017 through Wednesday, November 15, 2017, Hurricane Maria (FEMA-4339-DR-PR) produced severe storms consisting of high sustained winds, and prolonged periods of heavy rains, resulting in widespread flooding and wind damage, power outages, and transportation difficulties affecting the sub-recipient PR Department of Health, Building A, located in the Municipality of San Juan in the Commonwealth of Puerto Rico. This created an immediate threat to lives, public health, safety and improved property.

### **Building Damage:**

#### **Accountant Office :**

- Building Interior, 132 SF of Acoustic Ceiling Tile , 12 FT long x 11 FT wide, Acoustic ceiling tiles (2 ft. X 4 ft.) in Accountant Office area saturated by Water Infiltration through windows and flooded floor above, 0% work completed.

#### **Bacteriology Clinic 1:**

- Building Interior, 22 each of Medical Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 540 SF of Lamlnar finish, plastered and painted Interior Wall, 17 FT long x 10 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

#### **Bacteriology Clinic 2:**

- Building Interior, 45 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 760 SF of Lamlnar finish, plastered and painted Interior Wall , 21 FT long x 17 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

#### **Break Room:**

- Building Interior, 336 SF of Acoustical Ceiling Tiles , 21 FT long x 16 FT wide, Break Room acoustical ceiling tiles (2 Ft. X 4 Ft.) in break room area dampened from water intrusions , 0% work completed.

- Building Interior, 1 each of Fluorescent Light Fixture , Fluorescent Light Fixture (2 Ft. X 4 Ft.) in Break Room area inundated by water intrusions , 0% work completed.
- Building Interior, 1 each of Walls Seal/Paint, 21 FT long x 16 FT wide x 8 FT high, Walls seal and paint in break room area dampened from water Infiltrations , 0% work completed.

#### **Certification Office:**

- Building Interior, 136 SF of Exterior Facing Wall Paint , 17 FT long x 8 FT high, Certification Office exterior facing wall paint area with laminar finish paint dampened from water infiltration , 0% work completed.

#### **Communications Office:**

- Building Interior, 5 each of Commercial Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration through windows and floor above, 0% work completed.
- Building Interior, 4 each of Sliding Type Tempered Glass, 1.5 in. Aluminum Frame Windows , 3 FT long x 2.5 FT high x 0.25 IN thick, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Interior, 585 SF of Commercial Grade Wall Seal/Paint, 65 FT long x 9 FT high, Exterior facing wall paint sealer in communications Office area (65 ft. X 18 ft.) saturated by Water Infiltration through windows and flooded floor above, 0% work completed.

#### **Exterior Walls:**

- Building Exterior, 72,575 SF of Exterior Paint, 2,903 LF long x 25 FT high, Paint eroded by Wind Driven Rain, 0% work completed.

#### **Finance Office Conference Room:**

- Building Interior, 12 each of Commercial grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration through roof, 0% work completed.
- Building Interior, 216 SF of Wall Seal/Paint, 24 FT long x 9 FT high, Exterior facing wall paint sealer in Finance Office Conference Room area (16 ft. X 24ft.) saturated by Water Infiltration through windows and flooded floor above, 0% work completed.
- Building Interior, 66 SF of Women Bath Acoustic Ceiling , 11 FT long x 6 FT wide, Acoustic ceiling tiles (2 ft. X 4 ft.) in Finance Office Conference Room women bath area saturated by Water Infiltration through windows and flooded floor above, 0% work completed.
- Building Interior, 1 each of Women Bath Ceiling Fluorescent Lamp , Ceiling Fluorescent Lamp (2 ft. X 4 ft.) in Finance Office Conference Room women bath area (11 ft. X 6 ft.) inundated by Water Infiltration through windows and flooded floor above, 0% work completed.
- Building Interior, 720 SF of Walls Paint, 80 FT long x 9 FT high, walls paint in Finance Office Conference Room area (16 ft. X 24ft.) saturated by Water Infiltration through windows and flooded floor above, 0% work completed.
- Building Interior, 384 SF of Ceiling Batt Insulation , 24 FT long x 16 FT wide, Ceiling Batt Insulation in Finance Office Conference Room area (16 ft. X 24ft.) saturated by Water Infiltration through windows and flooded floor above, 0% work completed.

#### **First Floor Roof:**

- Building Exterior, 1,139 SF of Metal Deck with 1in. Urethane Insulation and Paint Sealer Roof, 10 FT long x 10 FT wide, Roof compromised by a debris strike. The damaged area measures 10ft x 10ft (100 SF) and the entire roof 1139 SF needs to be re-insulated and sealed, 0% work completed.

#### **General Exterior:**

- Building Exterior, 15 each of Sliding Type Tempered Glass, Black Aluminum Frame Windows, 4 FT long x 2.5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 22 each of Miami Aluminum Louver, White Finish Windows, 2 FT long x 3 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 36 each of Miami Aluminum Louver, Black Finish Windows, 2 FT long x 3 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 17 each of Four Louvers Panels, Aluminum, White Finish Windows, 2.5 FT long x 3 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.

- Building Exterior, 130 each of Two Panels Anodized Aluminum, Sliding Windows, 2.5 FT long x 4 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 16 each of Eight Panels Aluminum Louver, Black Finish Windows, 2.5 FT long x 5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 19 each of Eight Panels Aluminum Louver, Unpainted Windows, 2.5 FT long x 5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 3 each of Single Hung Aluminum Windows, 4 FT long x 3 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 70 each of Miami Louver, White Finish Windows, 2.5 FT long x 2.5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 50 each of Three Panels Louver Shutter w/ Integrated Window Windows, 2 FT long x 3.5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 8 each of Three Panels Anodized Aluminum Louver Windows, 2.5 FT long x 4 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 6 each of Six Panels Aluminum Louver, Black Finish Windows, 2.5 FT long x 4.5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 51 each of Single Hung Aluminum, Beige Finish Windows, 2 FT long x 3.5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 1 each of Fixed Anodized Aluminum, Black Finish Windows, 6 FT long x 7 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 60 each of Five Panels Miami Louver Blades, Unpainted Finish Windows, 3 FT long x 2 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 67 each of Five Panels Miami Louver Blades, Brown Finish Windows, 3 FT long x 2 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 5 each of Five Panels Anodized Aluminum Louver Windows, 2 FT long x 4 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 32 each of Seven Panels Aluminum Louver Windows, 2.5 FT long x 5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 11 each of Four Panels Louver Shutter w/ Integrated Window Windows, 2.5 FT long x 5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 1 each of Two Panels Horizontal Sliding Windows, 2.5 FT long x 5 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 59 each of Five Panels Aluminum Louver, Black Finish Windows, 2 FT long x 4 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 13 each of Seven Glass Panels Louver Windows, 4 FT long x 4 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 5 each of Two Panels Louver Shutter w/ Integrated Window Windows, 2 FT long x 2 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.
- Building Exterior, 3 each of Sliding Type Tempered Glass, Black Aluminum Frame Windows, 2.5 FT long x 6 FT wide, Windows displaced by High Winds and Water Intrusion, 0% work completed.

**Ground Floor - Director Office :**

- Building Interior, 216 SF of Acoustic Ceiling Tiles, 12 FT long x 18 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Director Office area saturated from water intrusions , 100% work completed.
- Building Interior, 96 SF of Wall Paint , 12 FT long x 8 FT wide, Back wall in Director Office area saturated from water intrusions , 0% work completed.

**Ground Floor - Finance Archive :**

- Building Interior, 120 SF of Acoustic Ceiling Tiles, 12 FT long x 10 FT wide, Acoustic

ceiling tiles (2 Ft. X 4 Ft. ) in Finance Archive area dampened from water intrusions , 0% work completed.

**Ground Floor - Finance Archive Movable Storage :**

- Contents, 6 each of Metal Cover Plates , Movable Storage metal cover plates (15 in. Wide X 3 ft. Long) in finance archive rusted from water intrusions. , 0% work completed.

**Ground Floor - Fiscal Intervention :**

- Building Interior, 1,118 SF of Acoustic Ceiling Tiles, 26 FT long x 43 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Fiscal Intervention area inundated from water infiltrations , 100% work completed.
- Building Interior, 344 SF of Wall Paint , 43 FT long x 8 FT high, Exterior facing wall paint in Fiscal Intervention area dampened from water infiltrations , 0% work completed.

**Ground Floor - Lateral Hallways :**

- Building Interior, 576 SF of Acoustic Ceiling Tiles, 144 FT long x 4 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Lateral Hallways areas saturated from water intrusions , 0% work completed.
- Building Interior, 800 SF of Acoustic Ceiling Tiles, 100 FT long x 8 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Lateral Hallways areas saturated from water intrusions , 0% work completed.

**Ground Floor - Main Hallway :**

- Building Interior, 1,816 SF of Acoustic Ceiling Tiles, 227 FT long x 8 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Main Hallway area saturated from water infiltration , 0% work completed.

**Ground Floor - Planning and Development Office :**

- Building Interior, 208 SF of Acoustic Ceiling Tiles, 26 FT long x 8 FT wide, Acoustic ceiling tiles (2 Ft. X 4 Ft. ) in Planning and Development Office area saturated from water intrusions , 0% work completed.

**Influenza Molecular Extraction Lab:**

- Building Interior, 1 each of Wall and Ceiling Paint , 13 FT long x 11 FT wide x 10 FT high, Wall and Ceiling Paint in Influenza Molecular Extraction Lab area dampened from water infiltrations , 0% work completed.

**Influenza Molecular Lab:**

- Building Interior, 1 each of Window Area Shear Crack, 12 FT long x 7 FT wide x 8 FT high, Window (4 Ft. wide) area shear crack walls and paint compromised by water intrusions , 0% work completed.

**Lab Hallways and Common Areas:**

- Building Interior, 289 each of Commercial Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 2,900 SF of Laminar finish, plastered and painted Interior Walls, 2,900 SF, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Leptospirosis Lab 1:**

- Building Interior, 1,800 SF of Laminar finish, plastered and painted Interior Wall , 72 FT long x 18 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Leptospirosis Lab 1 (SIKA):**

- Building Interior, 162 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Leptospirosis Lab 2:**

- Building Interior, 1,260 SF of Laminar finish, plastered and painted Interior Wall , 41 FT long x 22 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Leptospirosis Lab 2 (Production):**

- Building Interior, 113 each of Medical Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Medical Records Storage Area:**

- Building Interior, 255 each of Commercial Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration through roof, 0% work completed.
- Building Interior, 1,880 SF of Laminar finish, plastered and painted Interior Walls, 60 FT long x 34 FT wide x 10 FT high, Mold Growth present on Interior Walls caused by Water Infiltration and High Humidity , 0% work completed.

**Metal Chemical Lab:**

- Building Interior, 36 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 740 SF of Laminar finish, plastered and painted Interior Wall , 26 FT long x 11 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.
- Contents, 1 each of Medical Grade Metal Refrigerator , 31 IN long x 28 IN wide x 64 IN high, Metal Refrigerator inundated by Water Infiltration, rust present throughout, inoperable due to voltage fluctuations , 0% work completed.

**Micro Bacteriology Lab:**

- Building Interior, 118 each of Commercial Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 1,280 SF of Laminar finish, plastered and painted Interior Wall , 41 FT long x 23 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.
- Building Interior, 118 each of Commercial Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 1,280 SF of Laminar finish, plastered and painted Interior Wall , 41 FT long x 23 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Micro Biology Hygienic Lab:**

- Building Interior, 1,380 SF of Acoustic Ceiling Tiles , 46 FT long x 30 FT wide, Acoustic Ceiling Tiles (2 Ft. X 4 Ft.) in Micro Biology Hygienic Lab area saturated with water intrusions through comprised windows seals and roofing membranes , 100% work completed.
- Building Interior, 1 each of Fume Hood Collar Duct, Fume Hood Collar Duct 12 in. X 12 in. square approximately 6 Ft. section broken from hood top to roof level by straight line wind impacts , 100% work completed.

**Milk Chemistry Lab:**

- Building Interior, 118 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Milk Chemistry Lab area (18 ft. X 32 ft.) acoustic ceiling tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 1,000 SF of Laminar finish, plastered and painted Interior Wall, 32 FT long x 18 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Northeast Entry:**

- Building Interior, 1 each of Sliding Type Tempered Glass Storefront Window , 34 IN long x 7 FT high x 0.25 IN thick, Storefront Window cracked by Wind Blown Debris, 0% work completed.

**Potable Water Inorganic Lab:**

- Building Interior, 680 SF of Laminar finish, plastered and painted Interior Wall , 21 FT long x 13 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and

windows, mold growth present, 0% work completed.

- Building Interior, Concrete Shear Cracks in Interior Wall, 20 LF long x 0.0625 IN wide, Shear Cracks in Interior Wall, 0% work completed.
- Building Interior, 2 each of Hung Fluorescent Lamp, Hung Fluorescent Ceiling Lamps (2 ft. X 4 ft. ) inundated by Water Infiltration through roofing membrane , 0% work completed.
- Building Interior, 1 each of Hung Fluorescent Lamp, Hung Fluorescent Ceiling Lamps (1 ft. X 8 ft. ) inundated by Water Infiltration through roofing membrane , 0% work completed.

**Metal:**

- Building Interior, 264 SF of Acoustic Ceiling Tiles, 22 FT long x 12 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Preparation:**

- Building Interior, 286 SF of Acoustic Ceiling Tiles, 13 FT long x 22 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Wash:**

- Building Interior, 132 SF of Acoustic Ceiling Tiles, 22 FT long x 6 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Wash General:**

- Building Interior, 130 SF of Acoustic Ceiling Tiles, 13 FT long x 10 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Wet Chemistry 1:**

- Building Interior, 195 SF of Acoustic Ceiling Tiles, 15 FT long x 13 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Wet Chemistry 2:**

- Building Interior, 209 SF of Acoustic Ceiling Tiles, 19 FT long x 11 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in general wash area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

**Potable Water Organic Extractions Lab:**

- Building Interior, 95 each of Medical Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles in Potable Water Organic Extractions Lab area (26 ft. X 12 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 1,100 SF of Laminar finish, plastered and painted Interior Wall , 29 FT long x 26 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.
- Building Interior, 380 SF of Wrap-Around HVAC Ductwork Insulation , 1.5 IN thick x 0.75 IN density, HVAC Ductwork Insulation saturated by Water Infiltration through open panels of damaged HVAC Package Units, 0% work completed.
- Building Interior, 2 each of Ceiling Fluorescent Lamp, Fluorescent Ceiling Lamps (2 ft. X 4 ft. ) inundated by Water Infiltration through roofing membrane , 0% work completed.

**Potable Water Organic Lab:**

- Building Interior, 15 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles in Potable Water Organic Lab area (26 ft. X 28 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 440 SF of Laminar finish, plastered and painted Interior Wall , 12 FT long x

10 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

- Building Interior, 4 each of Ceiling Fluorescent Lamp, Fluorescent Ceiling Lamps (2 ft. X 4 ft. ) inundated by Water Infiltration through roofing membrane , 0% work completed.

**Production Lab 1:**

- Building Interior, 1 each of Walls/Ceiling Paint, 40 FT long x 26 FT wide x 10 FT high, Walls and ceiling paint in Production Lab 1 area dampened from water intrusions , 0% work completed.

**Production Lab 2:**

- Building Interior, 1 each of Walls/Ceiling Paint , 30 FT long x 17 FT wide x 10 FT high, Walls and ceiling paint in Production Lab 2 area dampened from water intrusions , 0% work completed.

**Proficiency Testing Lab:**

- Building Interior, 68 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 1,008 SF of Laminar finish, plastered and painted Interior Wall , 40 FT long x 22 FT wide x 8 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.
- Building Interior, 2 each of Hung Fluorescent Lamp, Hung Fluorescent Ceiling Lamps (1 ft. X 8 ft. ) inundated by Water Infiltration through roofing membrane , 0% work completed.

**Proficiency Testing Lab Office :**

- Building Interior, 432 SF of Exterior Facing Wall, 54 FT long x 8 FT high, Exterior facing wall with laminar finish paint dampened from water infiltration , 0% work completed.

**Rabies Lab:**

- Building Interior, 50 each of Medical Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles in Rabies Lab area (33 ft. X 10 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 860 SF of Laminar finish, plastered/sealed and painted Interior Wall, 33 FT long x 10 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.
- Building Interior, 240 SF of Medical Grade Acoustic Ceiling Tiles , 16 FT long x 15 FT wide, Acoustic Ceiling Tiles (2ft. X 4 ft.) in Rabies Lab area (16 ft. X 15 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 330 SF of Ceiling Perimeter Seal Crack, 33 FT long x 10 FT wide, Interior ceiling perimeter seal saturated and cracked by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**Roof:**

- Building Exterior, 65,461 SF of Concrete and Metal Roofing System, First floor - 27,631 SF concrete roofing; Second floor - 32,940 SF concrete roofing and 4890 SF metal roofing, Roofing System compromised by extensive Water Infiltration after roof drains became clogged by storm debris , 0% work completed.
- Building Exterior, 2,374 SF of Concrete Roof Load Bearing Deck, 3 FT high water, 20% of 11,868 SF Roof Load Bearing Deck damaged, Rebar imbedded ½ inch into deck structure , Roof Load Bearing Deck compromised by Standing Water caused by drains clogged by debris. Exposed Rebar due to loss of outer shell of the concrete surface (Rebar damage appears to have been evident for some time but could have been exasperated by the storm), 0% work completed.

**Second Floor:**

- Building Interior, 14,023 SF of Ceiling HVAC Duct System , 3 main trunks covering a ceiling area of 14023 SF, Ceiling HVAC Duct System saturated by Water infiltration through roofing membranes and comprised windows seals, mold growth present throughout system, 0% work completed.

**Secretary Office :**

- Building Interior, 555 SF of Laminar finish plaster and painted Gypsum Interior South Wall and Associated Fur-Down, The Interior South Wall and Associated Fur-Down were



damaged along the entire length including the recessed entryway for a total of 41 FT (L) X 9 FT (H). The Fur-Down extends out 3 FT and rises up an additional 1 FT to the ceiling along a 37 FT length. The recessed entryway is 8 FT deep with double doors. The total damaged laminar finish plaster and painted gypsum is 555 SF, Interior South Wall and Associated Fur-Down saturated by Water Infiltration through roof, 0% work completed.

**Sexual Transmission Disease Lab:**

- Building Interior, 45 each of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles in Sexual Transmission Disease Lab area (57 ft. X 33 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 760 SF of Laminar finish, plastered and painted Interior Wall, 21 FT long x 17 FT wide x 10 FT high, Interior Wall saturated by Water Infiltration through roof and windows, mold growth present, 0% work completed.

**SIKA Receiving Lab:**

- Building Interior, 960 SF of Wall and Ceiling Paint , 48 FT long x 20 FT wide, Wall and Ceiling Paint SIKA Receiving Lab area saturated by water infiltrations , 0% work completed.

**Storage Room:**

- Building Interior, 1,160 SF of Laminar finish, plastered and painted Interior Office Walls, 38 FT long x 20 FT wide x 10 FT high, Mold Growth present on Interior Walls due to Water Infiltration and High Humidity, 0% work completed.
- Building Interior, 216 SF of Terrazzo Floor , 18 FT long x 12 FT wide, Stains present on floor and perimeter rubber baseboards due to Water inundation and High Humidity, 0% work completed.
- Building Interior, 25 each of Fluorescent Ceiling Lamp Fixture , 4 FT long x 2 FT wide, Stains present on fluorescent ceiling lamp fixtures due to Water inundation and High Humidity, 0% work completed.

**Main Storage Area:**

- Building Interior, 1,275 SF of Acoustic Ceiling Tile, 85 FT long x 15 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in main storage area saturated and T-bar grid rusted due to Water Infiltration and High Humidity, 0% work completed.
- Building Interior, 1,764 SF of Vinyl Floor Tile, 42 FT long x 42 FT wide, Stains present on vinyl floor tiles (12 in. X 12 in.) and perimeter baseboards due to Water inundation and High Humidity, 0% work completed.

**Mini Storage Area:**

- Building Interior, 7 each of Mini Storage Ceiling , 11 FT long x 11 FT wide, Acoustic Ceiling Tiles (2 ft. X 4 ft.) in mini storage areas saturated and T-bar grid rusted due to Water Infiltration and High Humidity, 0% work completed.

**Storage Room Ceiling:**

- Building Interior, 768 SF of 1in. Urethane with Paint Sealer Insulation , 192 LF long x 4 FT wide, Insulation blown out of ceiling by High Winds, 0% work completed.

**Toxicology/Alcohol Lab:**

- Building Interior, 1 each of Walls and Ceiling Paint , 17 FT long x 11 FT wide x 10 FT high, Walls and Ceiling Paint in Toxicology/Alcohol Lab area dampened from water infiltrations , 0% work completed.
- Contents, 1 each of Medical Grade Refrigerator , 31 IN long x 28 IN wide x 64 IN high, Toxicology/Alcohol Lab refrigerator inundated by Water Infiltration, rust present throughout, Inoperable due to voltage fluctuations , 0% work completed.

**Tuberculosis Lab:**

- Building Interior, 589 each of Commercial Grade Acoustic Ceiling Tiles , 4 FT long x 2 FT wide, Acoustic Ceiling Tiles in tuberculosis lab area (60 ft. X 20 ft.) saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.
- Building Interior, 320 SF of Commercial Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration, rust present throughout the "T"

type grid suspension system, 0% work completed.

- Building Interior, 1 each of Concrete Girder Seal , 80 FT long, Concrete Girder Seal compromised by water infiltration from roof surface water flooding , 0% work completed.
- Building Interior, 1,200 SF of Commercial Grade Vinyl Floor Tile , 60 FT long x 20 FT wide, Vinyl Floor Tiles (12 in. X 12 in.) in tuberculosis lab area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

#### **Tuberculosis Lab - Admin Area:**

- Building Interior, 1,275 SF of Wrap-Around HVAC Ductwork Insulation, 1.5 IN x 0.75 density, HVAC Ductwork Insulation saturated by Water Infiltration through open panels of damaged HVAC Package Units, 0% work completed.
- Building Interior, 736 SF of Wall Paint , 92 FT long x 8 FT high, Tuberculosis laboratory - Admin Area wall paint saturated by water infiltration , 0% work completed.
- Building Interior, 1,920 SF of Commercial Grade Vinyl Floor Tile , 60 FT long x 32 FT wide, Vinyl Floor Tiles (12 in. X 12 in.) in tuberculosis lab - admin area saturated by Water Infiltration, rust present throughout the "T" type grid suspension system, 0% work completed.

#### **Tuberculosis Lab:**

- Building Interior, 40 SF of Wrap-Around, Mastic Finish, White HVAC Ductwork Insulation , 1.5 IN x 0.75 density, HVAC Ductwork Insulation saturated by Water Infiltration through open panels of damaged HVAC Package Units, 0% work completed.

#### **Viral Load/HIV Lab:**

- Building Interior, 1 each of Fume Hood Exhaust Duct , 10 in. diameter unused exhaust duct opening above fume hood dripping water due to damaged roof sealing element , 0% work completed.
- Building Interior, 1 each of Walls and Ceiling Paint , 22 FT long x 18 FT wide x 10 FT high, Walls and ceiling paint Viral Load/HIV Lab dampened from water infiltrations , 0% work completed.

#### **Women's Restroom:**

- Building Interior, 2 each of Commercial Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide, Acoustic Ceiling Tiles saturated by Water Infiltration through ceiling above, 0% work completed.

#### **Vehicle or Equipment Damage:**

##### **Bacteriology Clinic 1:**

- Equipment, 1 each of Air conditioning (A/C) Converter , Air-Con A/C Converter unit (36,000 BTU-model No. ASKEL4444R36) with rooftop compressor compromised by water intrusions and voltage fluctuations , 100% work completed.

##### **T.B Lab:**

- Equipment, 1 each of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blowers, 16 FT long x 10 IN in diameter, Air Extraction Blowers displaced by High Winds , 0% work completed.

##### **Bacteriology Clinic 2:**

- Equipment, 1 each of Air conditioning (A/C) Converter , Trane A/C Converter unit (36,000 BTU) with rooftop compressor compromised by water intrusions and voltage fluctuations , 100% work completed.

##### **Interior Patio:**

- Equipment, 2 each of Steel 500kVa Electrical Substation Transclosure Plate, 18 FT long x 3.5 FT wide x 6 FT high, Electrical Substation Transclosure steel plates corroded by Wind Driven Rain, 100% work completed.

##### **Laboratorio de Salud Publica 1:**

- Equipment, 1 each of 80Kw Generator , 80 kW, Generator damaged by Extended Usage after power outage. It no longer supplies enough power to run facility, 0% work completed.

##### **Laboratorio de Salud Publica 2:**

- Equipment, 1 each of 50Kw Generator, 50Kw, Generator damaged by Extended Usage after power outage. It no longer supplies enough power to run facility, 0% work completed.

**Micro Bacteriology Lab:****T.B Lab:**

- Equipment, 2 each of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blowers, 16 FT long x 10 IN in diameter, Air Extraction Blowers displaced by High Winds, 100% work completed.

**Milk Chemistry Lab:**

- Equipment, 1 each of Chemical Fume Hood, 4 FT x 2.5 FT, 16 IN diameter connection, Chemical Fume Hood damaged by Water Infiltration through displaced Air Extraction Blower ductwork , 100% work completed.
- Equipment, 1 each of A/C Condensing Unit, 24,000 BTU A/C Condensing Unit damaged by Water Infiltration through roofing membrane and voltage fluctuations , 100% work completed.
- Contents, 1 each of Explosion Proof Refrigerator , 63 IN long x 33 IN wide x 28 IN deep, Explosion Proof Refrigerator damaged by Water Infiltration through roofing membrane and voltage fluctuations , 100% work completed.

**Milk Chemistry Lab Rooftop:**

- Equipment, 1 each of Packaged HVAC Unit Panel , 2 FT long x 4 FT wide, Packaged HVAC Unit Panel, not operable prior to Maria event, blown off by High Winds , 100% work completed.
- Equipment, 1 each of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blower, 16 FT long x 10 IN in diameter, Air Extraction Blower displaced by High Winds , 100% work completed.

**Potable Water Inorganic Lab:**

- Equipment, 1 each of Chemical Fume Hood, 4 FT x 2.5 FT, 16 IN diameter connection, Chemical Fume Hood damaged by Water Infiltration through displaced Air Extraction Blower ductwork , 0% work completed.

**Potable Water Organic Extractions Lab:**

- Equipment, 1 each of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blower, 16 FT long x 10 IN in diameter, Air Extraction Blower displaced by High Winds , 0% work completed.
- Equipment, 1 each of Chemical Fume Hood, 4 FT x 2.5 FT, 16 IN diameter connection, Chemical Fume Hood damaged by Water Infiltration through displaced Air Extraction Blower ductwork , 0% work completed.

**Rooftop HIV Lab:**

- Equipment, 1 each of Carrier Model No. 4013P20705 A/C - Air Handling Unit , A/C - Air Handling Unit on Rooftop HIV Lab Inoperable due wind driven rains/impacts and voltage fluctuations , 100% work completed.

**Sexual Transmission Disease Viral Lab Rooftop:**

- Equipment, 3 each of Packaged HVAC Unit Panels , 2 FT long x 4 FT wide, Packaged HVAC Unit Panels blown off by High Winds , 0% work completed.
- Equipment, 1 each of Chemical Fume Hood, 4 FT x 2.5 FT, 16 IN diameter connection, Chemical Fume Hood damaged by Water Infiltration through displaced Air Extraction Blower ductwork , 0% work completed.
- Equipment, 1 each of HELMER Model No. 2048433 Cooler Unit, Cooler Unit damaged by water intrusions and voltage fluctuations , 0% work completed.

**Toxicology/Alcohol Lab:**

- Equipment, 1 each of Air Conditioning (A/C Unit), A/C Unit approximately 24,000 B.T.U damaged by water intrusions , 100% work completed.
- Equipment, 1 each of Rooftop A/C Condensing Unit, A/C Condensing Unit damaged by fallen tree on roofing membrane , 0% work completed.

**Tuberculosis Lab Rooftop:**

- Equipment, 2 each of 10 TON Packaged HVAC Unit, 10 Ton, Packaged HVAC Unit panels blown off by High Winds exposing electrical components to Storm Waters, compounded with voltage fluctuations making unit inoperable. , 100% work completed.

**Tuberculosis Lab:**

- Equipment, 2 each of Chemical Fume Hoods, 4 FT x 2.5 FT, 16 IN diameter connection, Chemical Fume Hoods damaged by Water Infiltration through displaced Air Extraction Blowers ductwork , 0% work completed.
- Equipment, 1 each of 500Kw Generator, 500 kW, Generator damaged by Extended Usage after power outage. It no longer supplies enough power to run facility, 0% work completed.

#### **Tuberculosis Lab Rooftop:**

- Equipment, 2 each of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blowers, 16 FT long x 10 IN in diameter, Air Extraction Blowers displaced by High Winds, 0% work completed.

#### **DDD GENERAL NOTES:**

•**FOUNDATION, SLAB ON GRADE & LOAD BEARING DECKS** – Project Specialist prepared a structural findings report. The report summarizes the damages, although part of them are evidently pre-existing, the hurricane wind caused vibrations on the structure which aggravated the situation making this part of the facility to be structurally compromised making it a hazard for the occupants. (Please refer to the attached report)

•**PRIMARY HVAC SYSTEM** – At the present time the applicant has not been able to supply drawings or specifications to verify the specifics of the system functionality to establish the total extent of unforeseen damages that would require replacement. On a subsequent site visit performed, Project Specialists measured the evident HVAC system damages such as duct work/insulation and air distribution system.

•The observations made during the site visit were limited due to the small amount of the ceiling tile that could be removed. This situation would require for a more detail oriented visit to quantify systems functionality to determine damages. PW 720 Version 0 has been awarded in order to assign funding for A&E Fees so that the applicant may contract a firm to complete a systems functionality damage assessment.

•Mold has been present throughout most of the facility making it a general concern and would need an expert to quantify.

. COR3 drone used for aerial photos of roof surfaces on 2/06/2019 joint inspection

. Applicant representative (Guillermo Socorro) to submit post-disaster photos of all damaged areas reported 100% repair work complete on 2/06/2019 joint inspection date.

#### **NON-DISASTER RELATED/PRE-EXISTING DAMAGES:**

1. PRIMARY HVAC SYSTEM: Cause of system fail was not identified

a. Two (2) Carrier Chilled Water Units (100 Tons Rated Capacity Each) were not functioning prior to the event; applicant has replaced one unit with a 100 tons Carrier Unit. Each unit is a four stage (25 Tons per Stage) air cooled unit located on the roof of the maintenance entrance on the west side of the facility. The system was installed in 1997. A portable rental unit was supplying chilled water to the facility at the time of the incident. (Photos 4a attached)

2. ELEVATORS: Cause of system fail was not identified

a. The personnel elevator located in the lobby near the main entrance of the facility. It is an Otis hydraulic elevator with two stops rated at 2,100 LBS capacity. Water entered the elevator control room and shaft when the roof structure failed allowing water to saturate the control system components.

- i. Control System
- ii. Travel limits
- iii. Door operators
- iv. Call stations

Due to the elevator not being functional the condition of the elevator cylinder and piston are not know at this time. The elevator was installed in 1997.

b. There is a traction type freight elevator located in the facility that originally served the first floor and basement area. It was part of the original construction of the facility in the 1950's and has not been operational for some time. There are no plans to refurbish the system.

## MITIGATION ISSUES / CODE COMPLIANCE ISSUES:

1. FACILITY PRIMARY ELECTRICAL SYSTEM- Some works have already been covered by CAT B PWs but are included for mitigation evaluation purposes.

a. 16 kV primary electrical feeder conductor failed due to a short circuit.

b. 500 kW Tuberculosis Lab Substation. (Photos 3b attached)

i. The following three transformers were damaged. They total 500 kW:

1. 167 kVA Transformer #1 (S/N #: 97A103146)

2. 167 kVA Transformer #2 (S/N #: 97A103147)

3. 167 kVA Transformer #3 (S/N #: 97A103148)

c. 500 kW Health Lab Substation.

i. Secondary feeder bars damaged due to short circuit.

d. "Pabellones" Substation.

i. 250 Amp Secondary Breaker was damaged due to high voltage fluctuations.

e. Finance Area Substation.

i. Burned cable feeder due to short circuit, 120 feet of #4-0 RHH cables had to be replaced. (Photos 3e attached)

f. 80 kW generator (Cummins Onan, Model 80DGDA, S/N: 1920486450) with motor (Cummins, Model 6BT5.9-G1, SN 44788624). Located at interior patio of Building A. (GPS: 18.390442, -66.073822) (Photos 3f attached)

i. Generator was damaged due to the extended hours use to continue to provide uninterrupted critical services offered by this facility to the general public.

g. 50 kW generator (Cummins Onan GenSet, Model No. 50.0DDB-15R/11637E, S/N: K840739601. Located at interior patio of Building A. (GPS: 18.409014, -66.069931) (Photos 3g attached)

i. Main breaker damaged.

ii. Generator was damaged due to the extended hours use to continue to provide uninterrupted critical services offered by this facility to the general public.

## 2. ADA CODE AND STANDARD COMPLIANCE -

a. The facility does not meet ADA code requirements because their ramps length/slope, stairs spacing, plumbing fixtures installation heights amongst others do not comply with the current codes and regulations of the 2018 IBC.

## 3. FIRE PROTECTION SYSTEM: Code compliance issue

a. The facility does not have a fire detection and/or fire suppression system as required by code. This is a very sensitive issue that needs to be addressed as it creates a risk to the building occupants.

## Damage #181598; Building A Campus Pabillions (Annexes)

### General Facility Information:

- **Facility Type:** Building
- **Building Type:** Hospital
- **Facility:** Hospital Laboratories
- **Facility Description:** Pavilion #1: Steel frame building with CMU walls (exterior) approximately 6,500 SF. Pavilion #2: A rectangular shape 2 story building of approximate 6,270 SF with a footprint of (210 FT long x 25 FT wide). Pavilion #3: The facility is a one-story Pavilion building of approximately 5,250 SF footprint. Pavilion #3 Annex: The facility is a one-story office building of approximately 3,008 SF footprint. Pavilion #4: This facility consists of a 1-story concrete building with gable roof with 2/12 pitch and a footprint of 5,016 SF. Pavilion #4 Annex: This facility consists of a 1-story concrete building with a gable galvalume metal roof with 5/12 pitch. Footprint of 1,396.5 SF. Pavilion #4 Trailer: This facility consists of an aluminum siding office trailer with paneled walls and a footprint of 1,008 SF. Please refer to document attached with full details of each building.
- **Approx. Year Built:** 1960

- **Location Description:** 1111 Calle Teniente Cesar Gonzalez San Juan, PR 00929
- **GPS Latitude/Longitude:** 18.39031, -66.07408
- **Number of Stories:** 2

**General Damage Information:**

- **Date Damaged:** 9/17/2017
- **Cause of Damage:** The island of Puerto Rico was impacted by Hurricane Maria causing extensive damage island wide. The facility sustained straight line winds, power surges and water intrusion/infiltration.

**Building Damage:**

**Pavillion #1:**

**1st Floor:**

**Ceiling:**

- Building Interior, 5,934 SF of Acoustical ceiling grid, 23 FT (W) X 258 FT (L) Area, rusted due to water infiltration through the roof, 0% work completed.
- Building Interior, 5,934 SF of Acoustical ceiling tiles - 2 FT (W) x 4 FT (L) mineral fiber, 23 FT (W) X 258 FT (L) Area, damaged, saturated due to water infiltration through the roof, 0% work completed.

**Flooring:**

- Building Interior, 5,428 SF of VCT Flooring, 23 FT (W) X 258 FT (L) Area = 5934 SF - 506 SF of toilets corridor = 5428 SF Total, damaged, lifted and stained due to water infiltration through the roof which caused surface water ponding, 0% work completed.

**Walls:**

- Building Interior, 1,632 SF of gypsum office walls, South offices: 47 FT (L) + 46 FT (W) = 93 LF + Middle offices: 33 FT (W) + 13 FT (L) = 46 LF + North offices: 49 FT (W) + 16 FT (L) = 65 LF = 204 LF X 8 FT (H) = [1,632 SQ. FT], damaged, water saturated and grew mold due to water infiltration through the floor above, 0% work completed.
- Building Interior, 8,112 SF of interior walls paint, 494 LF + Middle/North offices: 520 LF = 1,014 LF X 8 FT (H) = [8,112 SQ FT], damaged (separated from its surface) due to water infiltration through the floor above., 0% work completed.

**2nd Floor:**

**Ceiling:**

- Building Interior, 5,934 SF of Acoustical ceiling grid, 23 FT (W) X 258 FT (L) Area, rusted due to water infiltration through the roof, 0% work completed.
- Building Interior, 5,934 SF of Acoustical ceiling tiles - 2 FT (W) x 4 FT (L) mineral fiber, 23 FT (W) X 258 FT (L) Area, damaged, saturated due to water infiltration through the roof, 0% work completed.

**Flooring:**

- Building Interior, 5,428 SF of VCT Flooring, 23 FT (W) X 258 FT (L) Area = 5934 SF - 506 SF of toilets corridor = 5428 SF Total, damaged, lifted and stained due to water infiltration through the roof which caused surface water ponding, 0% work completed.

**Walkway:**

- Building Exterior, railing steel paint, 48 IN (H) X 110 FT (L) (Qty. = 110LF), damaged (separated from its surface) due to water infiltration through the floor above., 0% work completed.

#### **Walls:**

- Building Interior, 1,376 SF of gypsum office walls, 172 LF X 8 FT (H) = [1,376 SQ. FT], damaged ,water saturated and grew mold due to water infiltration through the floor above, 0% work completed.
- Building Interior, 5,872 SF of interior walls paint, 172 LF + Interior Concrete (CMU) walls: 562 LF = 734 LF X 8 FT (H) = [5,872 SQ FT], damaged (separated from its surface) due to water infiltration through the floor above., 0% work completed.

#### **Exterior:**

- Building Exterior, 11,400 SF of paint on plastered concrete walls, 260 FT (L) X 25 FT (W) = 285 FT X 2 = 570 LF X 20 FT (H) = [11,400 SQ. FT], damaged, separated from its surface due to wind driven rain and wind blown debris, 0% work completed.

#### **Roof:**

- Building Exterior, 8,580 SF of Asphalt rolls, 33 FT (W) X 260 FT (L)Area / ¼ IN (T) Cement boards, 3 IN (T) Rigid Insulation 4 IN (W) X 4 IN (H) Wood blocking (purlins), lifted from its surface due to hurricane force winds, 0% work completed.
- Building Exterior, 33 each of steel frame, 33 LF/each of 4 IN (W) X 6 IN (H) @ 8 FT O.C , rusted due to water infiltration through the roof, 0% work completed.

#### **Pavillion #2:**

##### **1st Floor:**

##### **A/C Mechanics Room:**

- Building Interior, 50 SF of 12 IN x 12IN vinyl flooring tile, 10 FT long x 5 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 210 SF of interior concrete wall paint, (10ft L x 7ft H) + (10ft L x 7ft H) + (5ft L x 7ft H) + (5ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of exterior metal double wing door, 4 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

##### **Bath 1:**

- Building Interior, 184 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 23 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 184 SF of 2 IN x 2 IN ceramic flooring tile, 23 FT long x 8 FT wide, saturated, damaged and detached

- due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 434 SF of interior concrete wall paint, (23ft L x 7ft H) + (23ft L x 7ft H) + (8ft L x 7ft H) + (8ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 3 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of exterior aluminum door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Bath 2:**

- Building Interior, 133 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 19 FT long x 7 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 133 SF of 2 IN x 2 IN ceramic flooring tile, 19 FT long x 7 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 364 SF of interior concrete wall paint, (19ft L x 7ft H) + (19ft L x 7ft H) + (7ft L x 7ft H) + (7ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of exterior aluminum door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Computer Server Room:**

- Building Interior, 30 SF of suspended acoustic 2' x 4' tile and grid system, 6 FT long x 5 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 30 SF of 12 IN x 12 IN vinyl flooring tile, 6 FT long x 5 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 154 SF of interior concrete wall paint, (6ft L x 7ft H) + (6ft L x 7ft H) + (5ft L x 7ft H) + (5ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges,



0% work completed.

- Building Interior, 1 each of exterior metal door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Hallway:**

- Building Interior, 184 SF of suspended acoustic 2' x 4' tile and grid system, 23 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 322 SF of interior concrete wall paint, (23ft L x 7ft H) + (23ft L x 7ft H) , water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Office 1:**

- Building Interior, 189 SF of interior wood wall paint, (10ft L x 7ft H) + (10ft L x 7ft H) + (7ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 49 SF of interior concrete wall paint, 7ft L x 7ft H, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of interior hollow core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2 each of Air-Con Model : A17EM4C4M18 18k BTU A/C units , soaked, detached, connections damaged due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

**Office 2:**

- Building Interior, 1 each of York Model - HLEA12FS-ADA 12k BTU A/C units , soaked, detached, connections damaged due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 189 SF of interior wood wall paint, (10ft L x 7ft H) + (10ft L x 7ft H) + (7ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 49 SF of interior concrete wall paint, 7ft L x 7ft H, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2 each of Air-Con Model : A16EM4H436 36k BTU A/C units , soaked, detached, connections damaged due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

**Room 1:**

- Building Interior, 391 SF of suspended acoustic 2' x 4' tile and grid system, 17 FT long x 23 FT wide, saturated,

- damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 391 SF of 12 IN x 12 IN vinyl flooring tile, 17 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
  - Building Interior, 399 SF of interior concrete wall paint, (17ft L x 7ft H) + (17ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
  - Building Interior, 1 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
  - Building Interior, 161 SF of interior wood wall paint, 23 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
  - Building Interior, 12 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

**Room 2:**

- Building Interior, 1,081 SF of suspended acoustic 2' x 4' tile and grid system, 47 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1,081 SF of 12 IN x 12 IN vinyl flooring tile, 47 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 560 SF of interior concrete wall paint, (40ft L x 7ft H) + (40ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 322 SF of interior wood wall paint, (23ft L x 7ft H) + (20ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 17 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Room 3:**

- Building Interior, 1,150 SF of suspended acoustic 2' x 4' tile and grid system, 50 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind

driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

- Building Interior, 1,150 SF of 12 IN x 12 IN vinyl flooring tile, 50 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 1,022 SF of interior concrete wall paint, (50ft L x 7ft H) + (50ft L x 7ft H) + (23ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 16 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 3 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Room 4:**

- Building Interior, 1,265 SF of suspended acoustic 2' x 4' tile and grid system, 55 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1,265 SF of 12 IN x 12 IN vinyl flooring tile, 55 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 1,092 SF of interior concrete wall paint, (55ft L x 7ft H) + (55ft L x 7ft H) + (23ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 24 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 2 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Storage 1:**

- Building Interior, 28 SF of suspended acoustic 2' x 4' tile and grid system, 7 FT long x 4 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 28 SF of 12 IN x 12 IN vinyl flooring tile, 7 FT long x 4 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 126 SF of interior concrete wall paint, (7ft L x 7ft H) + (7ft L x 7ft H) + (4ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind

driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

- Building Interior, 1 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of fluorescent lamp, 2 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

#### **Telephone Control Room:**

- Building Interior, 30 SF of suspended acoustic 2' x 4' tile and grid system, 6 FT long x 5 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 30 SF of 12 IN x 12 IN vinyl flooring tile, 6 FT long x 5 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 154 SF of interior concrete wall paint, (6ft L x 7ft H) + (6ft L x 7ft H) + (5ft L x 7ft H) + (5ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of exterior metal door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **2nd Floor:**

##### **Bath 1:**

- Building Interior, 184 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 23 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 184 SF of 2 IN x 2 IN ceramic flooring tile, 23 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 112 SF of interior concrete wall paint, (8ft L x 7ft H) + (8ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 322 SF of interior drywall paint, (23ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 3 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges,

0% work completed.

- Building Interior, 1 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Bath 2:**

- Building Interior, 152 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 19 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 152 SF of 2 IN x 2 IN ceramic flooring tile, 19 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 56 SF of interior concrete wall paint, (8ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 266 SF of interior drywall paint, (19ft L x 7ft H) + (19ft L x 7ft H) + (8ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 3 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of interior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Office 1:**

- Building Interior, 207 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 23 FT long x 9 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 207 SF of 12 IN x 12 IN vinyl flooring tile, 23 FT long x 9 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 287 SF of interior concrete wall paint, (23ft L x 7ft H) + (9ft L x 7ft H) + (9ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 4 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 266 SF of interior drywall paint, (12ft L x 7ft H) + (12ft L x 7ft H) + (14ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Office 2:**

- Building Interior, 168 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 14 FT long x 12 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 168 SF of 12 IN x 12 IN vinyl flooring tile, 14 FT long x 12 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 98 SF of interior concrete wall paint, 14 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of interior hollow core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 4 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

#### **Office 3:**

- Building Interior, 72 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 12 FT long x 6 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 72 SF of 12 IN x 12 IN vinyl flooring tile, 12 FT long x 6 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 42 SF of interior concrete wall paint, 6 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 210 SF of interior drywall paint, (12ft L x 7ft H) + (12ft L x 7ft H) + (6ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 77 SF of interior concrete wall paint, 11 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Office 4:**

- Building Interior, 165 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 15 FT long x 11 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 165 SF of 12 IN x 12 IN vinyl flooring tile, 15 FT long x 11 FT wide, saturated, damaged and

detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.

- Building Interior, 287 SF of interior drywall paint, (15ft L x 7ft H) + (15ft L x 7ft H) + (11ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of interior hollow core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Office 5:**

- Building Interior, 72 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 9 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 72 SF of 12 IN x 12 IN vinyl flooring tile, 9 FT long x 8 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 63 SF of interior concrete wall paint, 9 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 175 SF of interior drywall paint, (8ft L x 7ft H) + (8ft L x 7ft H) + (9ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 1 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 1 each of interior hollow core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

#### **Reception Area:**

- Building Interior, 220 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 20 FT long x 11 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 220 SF of 12 IN x 12 IN vinyl flooring tile, 20 FT long x 11 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 140 SF of interior concrete wall paint, 20 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds,

- wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 294 SF of interior drywall paint, (11ft L x 7ft H) + (11ft L x 7ft H) + (20ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 6 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 2 each of exterior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Room 1:**

- Building Interior, 713 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 23 FT long x 31 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 713 SF of 12 IN x 12 IN vinyl flooring tile, 23 FT long x 31 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 434 SF of interior concrete wall paint, (31ft L x 7ft H) + (31ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 322 SF of interior drywall paint, (23ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 12 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 2 each of exterior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Room 2:**

- Building Interior, 2,300 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 100 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 2,300 SF of 12 IN x 12 IN vinyl flooring tile, 100 FT long x 23 FT wide, saturated, damaged and detached due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion, 0% work completed.
- Building Interior, 1,561 SF of interior concrete wall paint, (100ft L x 7ft H) + (100ft L x 7ft H) + (23ft L x 7ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water



Intrusion, 0% work completed.

- Building Interior, 161 SF of interior drywall paint, 23 FT long x 7 FT high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.
- Building Interior, 60 each of fluorescent lamp, 4 FT long x 2 FT wide, soaked, damaged and short circuit due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.
- Building Interior, 3 each of exterior solid core wood door, 3 FT wide x 7 FT high, water stained and blistered due to hurricane force winds, wind driven rain, high winds, wind-blown debris and water intrusion, 0% work completed.

**Roof:**

- Building Exterior, 6,720 SF of roof built up, 210 FT long x 32 FT wide, detached, connections damaged and partially blown away due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.
- Building Exterior, 27 each of I shaped steel beams, 32 FT long x 2 IN wide x 6 IN high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.

**Structure:**

- Building Exterior, 9,400 SF of exterior concrete wall paint, (210ft L x 20ft H) + (210ft L x 20ft H) + (25ft L x 20ft H) x (25ft L x 20ft H), water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.
- Building Exterior, 118 each of aluminum jalousie windows, 30 IN wide x 60 IN high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.
- Building Exterior, 12 each of aluminum jalousie windows, 30 IN wide x 30 IN high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.
- Building Exterior, 13,440 SF of electrical outlets, switches and wiring, connections damaged and partially blown away due to hurricane force winds, wind driven rain, high winds, wind-blown debris, water intrusion and electrical power surges, 0% work completed.

**1st Floor Concrete Sidewalk:**

- Building Exterior, 43.5185 CY of exterior concrete sidewalk, 470 FT long x 5 FT wide x 6 IN deep, lifted from ground, damaged due to hurricane force winds, wind driven rain, wind blown debris and trees roots, 0% work completed.

**2nd Floor Deck:**

- Building Exterior, 27 each of I shaped steel beams, 32 FT long x 4 IN wide x 12 IN high, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.

**2nd Floor Steel Walkway:**

- Building Exterior, 750 LF of 2 inch round steel tubing 4 ft OC used as main posts and top, middle and bottom rails, 1 inch round steel tubing 6 inch OC, ¾ inch expanded metal in portions of 18 inch x 4 ft, exterior steel fence paint, (250

LF) x 3 LF = 750 LF, water stained, peeling and blistered due to hurricane force winds, wind driven rain, high winds, wind driven debris and water intrusion, 0% work completed.

### **Pavillion #3:**

#### **Annex Building:**

- Building Exterior, 2,442 SF of concrete wall paint, 2(64 ft long x 11 ft high) + 2(47 ft long x 11 ft high), high winds and wind driven debris caused paint peeling and staining, 0% work completed.
- Building Exterior, 1,200 SF of concrete wall paint, 2(45 ft long x 8 ft high) + 2(30 ft long x 8 ft high), high winds and wind driven debris caused paint peeling and staining, 0% work completed.

#### **Entrance:**

- Building Exterior, 0.19 CY of concrete wall, 5 FT long x 2 FT wide x 6 IN deep, high winds caused concrete wall to fall down, 100% work completed.

#### **Offices:**

- Building Interior, 1,350 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 45 FT long x 30 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 1,908 SF of concrete wall paint, 212 FT long x 9 FT high, water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.

#### **Roof:**

- Building Exterior, 3,350 SF of bituminous concrete roof sealant, 67 FT long x 50 FT wide, wind driven rain and high winds caused roof sealant to detach from roof surface allowing water infiltration inside the building, 0% work completed.

#### **West Side:**

- Building Exterior, 1 each of wrought iron security bars, 9 FT wide x 5 FT high, high winds caused iron bars to detach from concrete wall, 0% work completed.

### **Main Building:**

#### **Hallway:**

- Building Interior, 172.5 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 7.5 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Exterior, 1 each of solid metal door, 3 FT wide x 7 FT high, high winds and wind driven debris caused bending on doors (out of square), 0% work completed.
- Building Exterior, 1 each of solid metal double door, 4.5 FT wide x 7 FT high, high winds and wind driven debris caused bending on doors (out of square), 0% work completed.

#### **HVAC Room:**

- Building Exterior, 1 each of solid metal double door, 4.5 FT wide x 7 FT high, high winds and wind driven debris caused bending on doors (out of square), 0% work completed.
- Building Interior, 288 SF of concrete wall paint, 2(10 ft long x 9 ft high) + 2(6 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 1 each of fluorescent lamp (2-bulb), 4 FT

long x 1 FT wide, water infiltration rendered lamp inoperable, 0% work completed.

- Building Interior, 60 SF of vinyl flooring tiles, 10 FT long x 6 FT wide, surface water flooding and standing water caused stains and detachment of tiles, 0% work completed.

**Machinery Room:**

- Building Interior, 124.2 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 5.4 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Exterior, 4 each of aluminum jalousie windows, 5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.

**Mens Bathroom:**

- Building Interior, 172.5 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 7.5 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 549 SF of concrete wall paint, 2(7.5 ft long x 9 ft high) + 2(23 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Exterior, 2 each of aluminum jalousie windows, 2.5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Exterior, 1 each of solid core wood door, 3 FT wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

**Room 1:**

- Building Interior, 747.5 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 32.5 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 999 SF of concrete wall paint, 2(32.5 ft long x 9 ft high) + 2(23 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 8 each of fluorescent lamps (4-bulb), 4 FT long x 2 FT wide, high winds and water infiltration rendered lamps inoperable, 0% work completed.
- Building Interior, 747.5 SF of vinyl flooring tiles, 32.5 FT long x 23 FT wide, surface water flooding and standing water caused stains and detachment of tiles, 0% work completed.
- Building Interior, 1 each of hollow core wood door, 2.5 FT wide x 7 FT high, standing water caused wood to swell and split, 0% work completed.
- Building Exterior, 12 each of aluminum jalousie windows, 2.5 FT wide x 5 FT high, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Exterior, 2 each of aluminum jalousie windows, 2.5 FT wide x 2.5 FT high, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Exterior, 1 each of solid core wood door, 3 FT

wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

**Room 2:**

- Building Interior, 920 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 40 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 1,134 SF of concrete wall paint, 2(40 ft long x 9 ft high) + 2(23 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 12 each of fluorescent lamps (4-bulb), 4 FT long x 2 FT wide, high winds and water infiltration rendered lamps inoperable, 0% work completed.
- Building Interior, 920 SF of vinyl flooring tiles, 40 FT long x 23 FT wide, surface water flooding and standing water caused stains and detachment of tiles, 0% work completed.
- Building Exterior, 14 each of aluminum jalousie windows, 5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Exterior, 1 each of solid core wood door, 3 FT wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

**Room 3:**

- Building Interior, 1,667.5 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 72.5 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 1,667.5 SF of vinyl flooring tiles, 72.5 FT long x 23 FT wide, surface water flooding and standing water caused stains and detachment of tiles, 0% work completed.
- Building Interior, 1,719 SF of concrete wall paint, 2(72.5 ft long x 9 ft high) + 2(23 ft long x 9 ft high), , water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 30 each of aluminum jalousie windows, 5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Interior, 10 each of fluorescent lamps (4-bulb), 4 FT long x 2 FT wide, high winds and water infiltration rendered lamps inoperable, 0% work completed.
- Building Exterior, 1 each of solid core wood door, 3 FT wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

**Room 4:**

- Building Interior, 759 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 33 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Exterior, 11 each of aluminum jalousie windows, 5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.

- Building Interior, 2 each of fluorescent lamps (4-bulb), 4 FT long x 2 FT wide, water infiltration rendered lamps Inoperable, 0% work completed.
- Building Interior, 801 SF of concrete wall paint, 2(33 ft long x 9 ft high) + 2(23 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 759 SF of vinyl flooring tiles, 33 FT long x 23 FT wide, surface water flooding and standing water caused stains and detachment of tiles, 0% work completed.
- Building Exterior, 1 each of solid core wood door, 3 FT wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

#### **Structure:**

- Building Exterior, 2,070 SF of concrete wall paint, 2(90 ft long x 9 ft high) + 2(25 ft long x 10.5 ft high), high winds and wind driven debris caused paint peeling and staining, 0% work completed.
- Building Exterior, 2,559 SF of concrete wall paint, 2(113 ft long x 9 ft high) + 2(25 ft long x 10.5 ft high), high winds and wind driven debris caused paint peeling and staining, 0% work completed.
- Building Exterior, 1,746 SF of plycem eves ceiling paint, 2(210 ft long x 4 ft wide) + 2(33 ft long x 1 ft wide), high winds and wind driven debris caused paint peeling and staining, 0% work completed.

#### **Roof:**

- Building Exterior, 7,020 SF of structural insulated panel 4-inch-thick roof (1/12 roof pitch), 212 FT long x 33 FT wide, wind driven rain and high winds caused roof to lose integrity allowing wind and water inside the building, 0% work completed.
- Building Exterior, 7,020 SF of bituminous roof sealant (1/12 roof pitch), 212 FT long x 33 FT wide, wind driven rain and high winds caused roof sealant to detach from roof surface allowing water infiltration inside the building, 0% work completed.

#### **West Side:**

- Building Exterior, 5 each of wall mounted lamps, 12 IN wide x 10 IN high, power surges caused lamps to malfunction, 0% work completed.

#### **Womens Bathroom:**

- Building Interior, 172.5 SF of suspended acoustic 2 FT x 4 FT tile and grid system, 7.5 FT long x 23 FT wide, water infiltration and high winds caused tiles to blow off and absorb water and grid to break apart, 0% work completed.
- Building Interior, 549 SF of concrete wall paint, 2(7.5 ft long x 9 ft high) + 2(23 ft long x 9 ft high), water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Exterior, 2 each of aluminum jalousie windows, 2.5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.

- Building Exterior, 2 each of aluminum jalousie windows, 5 FT long x 2.5 FT wide, high winds and wind driven debris caused bending and staining on windows, 0% work completed.
- Building Exterior, 2 each of solid core wood door, 3 FT wide x 7 FT high, winds and wind driven debris caused bending and splinters on doors (out of square), 0% work completed.

#### **Pavillion #4:**

##### **Annex Building:**

###### **Doors:**

- Building Interior, 9 each of solid wood double door and frame, 72 IN wide x 93 IN high, wind driven rain caused doors to swell and split, 0% work completed.

###### **Roof:**

- Building Exterior, 1,652 SF of galvalume metal roof, 59 FT long x 28 FT wide, high winds and wind blown debris broke down and bent the roof, 0% work completed.

###### **Walls:**

- Building Exterior, 1,311 SF of concrete wall paint, north: 24.5 ft L x 11.5 ft H, south: 24.5 ft L x 11.5 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.
- Building Exterior, 563.5 SF of concrete wall paint, east: 57 ft L x 11.5 ft H, west: 57 ft L x 11.5 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.
- Building Interior, 540.5 SF of concrete wall paint, north: 23.5 ft L x 11.5 ft H, south: 23.5 ft L x 11.5 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.
- Building Interior, 642 SF of concrete wall paint, east: 56 ft L x 11.5 ft H, west: 56 ft L x 11.5 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.

##### **Main Building:**

###### **Ceiling:**

- Building Interior, 2,929 SF of suspended acoustic 2 FT x 4 FT tile and grid system, (112 ft L x 23 ft W) + (24 ft L x 7 ft W), infiltration through the roof caused by wind driven rain caused ceiling tiles to swell and stain, 0% work completed.

###### **Doors:**

- Building Interior, 2 each of hollow metal double doors and frame, 52 IN wide x 81 IN high, wind driven rain caused doors to corrode, 0% work completed.
- Building Interior, 2 each of solid core doors and frame, 38 IN wide x 81 IN high, wind driven rain caused doors to swell and split, 0% work completed.

###### **Lighting:**

- Building Interior, 34 each of fluorescent lamps (2-bulb), 4 FT long x 2 FT wide, infiltration through the roof caused by wind driven rain caused lamps to short circuit, 0% work completed.

###### **Roof:**

- Building Exterior, 6,148 SF of SBS (Danosa) roof waterproofing membrane, 212 FT long x 29 FT wide, wind driven rain and high winds caused material to separate and

detach, 0% work completed.

**Walls:**

- Building Exterior, 960 SF of concrete wall paint, 2 walls 24 ft L x 10 ft H, south: 2 walls 24 ft L x 10 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.
- Building Exterior, 3,838 SF of concrete wall paint, 89 ft L x 9.5 ft H + 113 ft L x 9.5 ft H, west: 89 ft L x 9.5 ft H + 113 ft L x 9.5 ft H, wind driven rain caused paint to stain, fade and peel, 0% work completed.
- Building Interior, 667 SF of concrete wall paint, 2 walls 23 ft L x 7.25 ft H, south: 2 walls 23 ft L x 7.25 ft H, water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.
- Building Interior, 2,900 SF of concrete wall paint, east: 88 ft L x 7.25 ft H + 112 ft L x 7.25 ft H, west: 88 ft L x 7.25 ft H + 112 ft L x 7.25 ft H, water infiltration coming from damaged roof above caused paint staining and blistering, 0% work completed.

**Office Trailer:**

- Building Exterior, 1,008 SF of roof waterproofing membrane, 84 FT long x 12 FT wide, wind driven rain and high winds caused material to separate and detach, 0% work completed.

## Final Scope

143448

## A/E Assessment Services

(V0 - Awarded and migrated from EMMIE)

PA-02-PR-4339-PW-00720(0):  
WORK TO BE COMPLETED:

This PW is to provide initial funding to the Sub-recipient that will allow them to secure the services of an A/E Firm to complete the assessment of damages to this critical facility, design needed repairs and/or provide the applicant with the necessary technical expertise that supports development of the Section 428 Alternate Procedures capped funding grant for permanent repairs to this critical facility as outlined on page 8 of the Alternate Procedures Guide For Permanent Work (April, 2018) as well as the possibility of the implementation of the Bipartisan Budget Act.

At this time, the Sub-recipient has not compiled a comprehensive list of damages, prepared restoration contract documents incorporating necessary codes and standards, developed hazard mitigation proposals (HMP) or developed accurate cost estimates. FEMA recently completed a site assessment and has prepared a preliminary RS Means cost estimate of for repair of the damages.

FEMA's Cost Estimating Format (CEF) excel spreadsheet is attached for reference. This estimate has not yet considered impact from codes and standards or the repairs of undamaged building elements that will need to be repaired or restored for satisfactory functionality of the facility or system to industry standards in accordance with the Bipartisan Budget Act of 2018. These impacts cannot be fully recognized at this time and will not be available until the A/E has completed their comprehensive evaluation of the damages.

Based on FEMA's estimated cost of repair, the estimated cost for A/E services has been calculated and is based on a 14.6% Fee as computed by the CEF H2 Factor (Above average complexity Curve A).

(A & E) Total Cost as per section H.2 with Curve "A" amounts to a total of \$

This PW is to provide funding to the Sub-recipient based on a cost estimate for architectural and engineering services related to the restoration of the damaged facility. However, all permanent work large projects under Hurricane Maria must be funded using alternative procedures authorized by Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) based on fixed cost estimates. The funding for this project will be adjusted based on the agreed-upon fixed-cost estimate agreement letter developed after the DDD and the SOW have been elaborated and agreed upon. The fixed-cost estimate must be agreed upon by October 11, 2019 as stated in the FCO's Memorandum dated July 9th, 2018.

#### PW COSTS SUMMARY:

##### WORK TO BE COMPLETED:

Architectural and/or Engineering Design- 5500 Costs.                       
Total eligible cost for Emergency Protective Measures                       
(Refer to attached CEF excel spreadsheet part H.2 for more details)

#### PROJECT NOTES:

##### STANDARD COMMENTS

**EHP CONDITIONS:** Sub-recipient is responsible for obtaining all necessary permits and abiding by the provisions of the permits and any other related Federal statutes and associated State, Tribal and/or Local laws, codes, ordinances and other statutes.

**DISASTER DIRECT RESULT:** By accepting this grant the Sub-recipient to the best of their ability acknowledges that all damages described within this sub-grant application and all associated costs being claimed were a direct result of the declared event, and in connection with the incident period of September 17, 2017 – November 15, 2017; with the exception of requests for alternate or improved projects.

**INSURANCE PROCEEDS:** The Sub-recipient is aware that all projects are subject to an insurance review. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the Sub-recipient's insurance policy that may affect the total amount of the project.

Per the FEMA Public Assistance Program and Policy Guide (PAPPG) V3.1, April 2018, page 40; Insurance Proceeds:

"FEMA cannot provide PA funding that duplicates insurance proceeds. Consequently, FEMA reduces eligible costs by the amount of:

- Actual insurance proceeds, if known; or
- Anticipated insurance proceeds based on the Sub-recipient's insurance policy, if the amount of actual insurance proceeds is unknown. FEMA subsequently adjusts the eligible costs based on the actual amount of insurance proceeds the Sub-recipient receives."

**PERMITS:** Federal funding is contingent upon the Sub-recipient acquiring all necessary Federal, State, and Local permits. Non-compliance with this requirement and failure to follow and meet local codes and standards may jeopardize the receipt of Federal funds. The Sub-recipient is responsible for obtaining all required permits prior to the commencement of work. Copies of permits should be retained in the project files for closeout reconciliation.

**RETENTION REQUIREMENTS FOR RECORDS:** As per 2 C.F.R. 200.333, financial records, supporting documents, statistical records, and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three years from the date of submission of the final expenditure report. Wherein the non-Federal entity (NFE) is notified in writing by FEMA, the cognizant agency for audit, oversight agency for audit, cognizant agency for indirect costs, or pass-through entity to extend the retention period, non Federal entities must keep records for as long as indicated in the notification, which may be longer than three years. FEMA or pass-through entity retains the right to disallow costs and recover funds on the basis of a later audit or other review after closeout.

**INSURANCE:** Per the FEMA Public Assistance Program and Policy Guide (PAPPG) V3.1, April 2018, page 88; Requirement to Obtain and Maintain Insurance, Sub-recipients that receive PA funding for permanent work to replace, repair, reconstruct, or construct a facility must obtain and maintain insurance to protect the facility against future loss.

**PROCUREMENT:** The Sub-recipient is aware that in the solicitation of proposals and letting of contracts for eligible work, the Sub-recipient must comply with all applicable Local, State and/or Federal procurement laws, regulations, and procedures (2 CFR 200).



LARGE PROJECTS: This is a large project and final funding will be based on actual costs incurred by the applicant for completing eligible work specifically approved in the scope of work for this project. 44 CFR 206.203.1 states "Federal funding shall equal the Federal share of actual costs documented by the grantee."

\*\*\*\*\*Version 1\*\*\*\*\*

Version 1- To Include A/E for the Annexes on DI# 151626. No change in Scope of Work and Cost.

\*\*\*\*\*Version 2\*\*\*\*\*

Version 2- Damage 151626 was included as part of the Damage Inventory for Project [95397] "MHOD026 - Building A". However, Damage 151626 should be included as part of project [49545] "MHOD253 A/E Technical Evaluation Building A And Permanent Work". No change in Scope of Work and Cost.

\*\*\*\*\*Version 3\*\*\*\*\*

Version 3- Created to correct cost code, in previous versions. No change in Scope of Work and Cost.

## 406 HMP Scope

DI#143448 it is an A/E Version 0, obligated and emigrated from EMMIE. This means that until the applicant submit the final method of repair and all the supporting documentation there is nothing to do with the project until the applicant will submit the project. When the applicant submits an alternative project and the required documents, the Hazard Mitigation Proposal will be worked for the new project.

406 Hazard Mitigation cannot be applied to A&E Projects (Version 0), however, hazard mitigation opportunities may exist and be applied to the Permanent Work Project (Version 1) developed for Puerto Rico Department of Health: Building A. Hazard Mitigation opportunities should be considered during development of the Public Assistance repair scope of work.

## 151626 Laboratorio de Salud Pública de PR

\*\*\*\*\*Version 2\*\*\*\*\*

Work Completed

The applicant utilized force account labor, equipment, materials, and contracts for replacement of the Laboratorio de Salud Pública de PR - Building A to restore facilities back to pre-disaster design, function and capacity (in-kind) within the existing footprint.

Ground Floor - Director Office:

- A. Remove and replace 216 SF of Acoustic Ceiling Tiles.

Ground Floor - Fiscal Intervention:

- B. Remove and replace 1,118 SF of Acoustic Ceiling Tiles.

Microbiology Hygienic Lab:

- A. Remove and replace 1,380 SF of Acoustic Ceiling Tiles.
- B. Remove and replace 6 LF of Fume Hood Collar Duct 12 in. X 12 in. square.

**Vehicle or Equipment Damage:**

Bacteriology Clinic 1:

- A. Remove and replace 1 EA of Air Conditioner (A/C) Converter unit (36,000 BTU).

Bacteriology Clinic 2:

- A. Remove and replace 1 EA of Air conditioning (A/C) Converter (36,000 BTU).

Interior Patio:

- A. Remove and replace 2 EA of Steel 500kVa Electrical Substation Transclosure Plate, 18 FT long x 3.5 FT wide x 6 FT high.

Micro Bacteriology Lab:

T.B Lab:

- A. Remove and replace 2 EA of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blowers, 16 FT long x 10 IN in diameter.

Milk Chemistry Lab:

- A. Remove and replace 1 EA of Chemical Fume Hood, 4 FT x 2.5 FT, 16 IN diameter connection.
- B. Remove and replace 1 EA of A/C Condensing Unit, 24,000 BTU A/C.
- C. Replace 1 EA of Explosion Proof Refrigerator, 63 IN long x 33 IN wide x 28 IN deep.

Milk Chemistry Lab Rooftop:

- A. Replace 1 EA of Packaged HVAC Unit Panel, 2 FT long x 4 FT wide.
- B. Remove and replace 1 EA of Greenheck/SFB, Belt Driven Centrifugal Air Extraction Blower, 16 FT long x 10 IN in diameter.

Rooftop HIV Lab:

- A. Remove and replace 1 EA A/C - Air Handling Unit on Rooftop.

Toxicology/Alcohol Lab:

- A. Remove and replace 1 EA of Air Conditioning 24,000 B.T.U.

Tuberculosis Lab Rooftop:

- A. Remove and replace 2 EA of 10 TON Packaged HVAC Unit.

Work Completed totals:

**Work to be completed**

The applicant will utilize contracts and (or) force accounts for replacement for the Laboratorio de Salud Pública de PR - Building A to restore facilities back to pre-disaster design, capacity and function and capacity (in-kind) within the existing footprint.

Accountant Office:

- A. Remove and replace 132 SF of acoustic ceiling tiles (2 FT X 4 FT).

Bacteriology Clinic 1:

- A. Remove and replace 22 EA of medical grade acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (176 SF).
- B. Prep and paint 540 SF of laminar finish plastered and painted interior wall.

Bacteriology Clinic 2:

- A. Remove and replace 45 EA of medical grade acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (360 SF).
- B. Prep and paint 760 SF of laminar finish plastered interior wall with mold remediation.

Break Room:

- A. Remove and replace 336 SF of acoustical ceiling tiles (2 FT X 4 FT).

- B. Remove and replace 1 EA of fluorescent light fixture (2 Ft. X 4 Ft).
- C. Prep and paint 592 SF of walls seal/paint (21 FT long x 16 FT wide x 8 FT high).

Certification Office:

- A. Prep and paint 136 SF of exterior facing wall with laminar finish.

Communications Office:

- A. Remove and replace 5 EA of acoustic ceiling tiles, 4 FT x 2 FT (40 SF).
- B. Remove and replace 4 EA of sliding type tempered glass, 3 FT long x 2.5 FT high x 0.25 IN thick.
- C. Prep and paint 585 SF of wall seal/paint.

Exterior Walls:

- A. Prep and paint Building Exterior, 72,575 SF.

Finance Office Conference Room:

- A. Remove and replace 12 EA of acoustic ceiling tiles, 4 FT x 2 FT (96 SF).
- B. Prep and paint 216 SF of interior wall (seal/paint).
- C. Remove and replace 66 SF of acoustic ceiling in women bath.
- D. Remove and replace 1 EA of ceiling fluorescent lamp (2 ft. X 4 ft.) in women bath.
- E. Prep and paint 720 SF of interior walls.
- F. Remove and replace 384 SF of ceiling batt insulation.

First Floor Roof:

- A. Remove and replace 1,139 SF of 1in. urethane insulation and paint sealer roof.

General Exterior:

- A. Remove and replace 15 EA of sliding type tempered glass, black aluminum frame windows, 4 FT long x 2.5 FT wide.
- B. Remove and replace 22 EA of Miami aluminum louver, 2 FT long x 3 FT wide.
- C. Remove and replace, 36 EA of Miami aluminum louver, 2 FT long x 3 FT wide.
- D. Remove and replace 17 EA of four louvers panels, aluminum, 2.5 FT long x 3 FT wide.
- E. Remove and replace 130 EA of two panels anodized aluminum, sliding windows, 2.5 FT long x 4 FT wide.
- F. Remove and replace 16 EA of eight panels aluminum louver, black finish windows, 2.5 FT long x 5 FT wide.
- G. Remove and replace 19 EA of eight panels aluminum louver, 2.5 FT long x 5 FT wide.
- H. Remove and replace 3 EA of single hung aluminum windows, 4 FT long x 3 FT wide.
- I. Remove and replace 70 EA of Miami louver, 2.5 FT long x 2.5 FT wide.
- J. Remove and replace 50 EA of three panels louver shutter w/ Integrated window, 2 FT long x 3.5 FT wide.
- K. Remove and replace 8 EA of three panels anodized aluminum louver windows, 2.5 FT long x 4 FT wide.
- L. Remove and replace 6 EA of six panels aluminum louver, black finish windows, 2.5 FT long x 4.5 FT wide.
- M. Remove and replace 51 EA of single hung aluminum, beige finish windows, 2 FT long x 3.5 FT wide.

- N. Remove and replace 1 EA of fixed anodized aluminum, black finish windows, 6 FT long x 7 FT wide.
- O. Remove and replace 60 EA of five panels Miami louver blades, unpainted finish windows, 3 FT long x 2 FT wide.
- P. Remove and replace 67 EA of five panels Miami louver blades, brown finish windows, 3 FT long x 2 FT wide.
- Q. Remove and replace 5 EA of five panels anodized aluminum louver windows, 2 FT long x 4 FT wide.
- R. Remove and replace 32 EA of seven panels aluminum louver windows, 2.5 FT long x 5 FT wide.
- S. Remove and replace 11 EA of four panels louver shutter w/ integrated window, 2.5 FT long x 5 FT wide.
- T. Remove and replace 1 EA of two panels horizontal sliding windows, 2.5 FT long x 5 FT wide.
- U. Remove and replace 59 EA of five panels aluminum louver, black finish windows, 2 FT long x 4 FT wide.
- V. Remove and replace 13 EA of seven glass panels louver windows, 4 FT long x 4 FT wide.
- W. Remove and replace 5 EA of two panels louver shutter w/ integrated windows, 2 FT long x 2 FT wide.
- X. Remove and replace 3 EA of sliding type tempered glass, black aluminum frame windows, 2.5 FT long x 6 FT wide.

Ground Floor - Director Office:

- A. Prep and paint 96 SF of interior back wall.

Ground Floor - Finance Archive:

- A. Remove and replace 120 SF of acoustic ceiling tiles.

Ground Floor - Finance Archive Movable Storage (content):

- A. Replace 6 EA of metal cover plates of movable storage (15 in. W X 3 ft. L).

Ground Floor - Fiscal Intervention:

- B. Prep and paint 344 SF of interior wall.

Ground Floor - Lateral Hallways:

- A. Remove and replace 576 SF of acoustic ceiling tiles.
- B. Remove and replace 800 SF of acoustic ceiling tiles.

Ground Floor - Main Hallway:

- A. Remove and replace 1,816 SF of acoustic ceiling tiles.

Ground Floor - Planning and Development Office:

- A. Remove and replace 208 SF of acoustic ceiling tiles.

Influenza Molecular Extraction Lab:

- A. Prep and paint 623 SF of wall and ceiling (13 FT long x 11 FT wide x 10 FT high).

Influenza Molecular Lab:

- A. Repair 1 EA of window area shear crack, 12 FT long.

Lab Hallways and Common Areas:

- A. Remove and replace 289 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (2,312 SF).
- B. Prep and paint 2,900 SF of laminar finish plastered and painted interior wall with mold remediation.



Leptospirosis Lab 1:

- A. Prep and paint 1,800 SF of laminar finish plastered and painted Interior wall with mold remediation.

Leptospirosis Lab 1 (SIKA):

- A. Remove and replace 162 EA of Medical Grade Acoustic Ceiling Tiles, 4 FT long x 2 FT wide (1,296 SF).

Leptospirosis Lab 2:

- A. Prep and paint 1,260 SF of Interior wall with mold remediation.

Leptospirosis Lab 2 (Production):

- A. Remove and replace 113 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (904 SF).

Medical Records Storage Area:

- A. Remove and replace 255 EA of Acoustic Ceiling Tiles, 4 FT x 2 FT (2,040 SF).
- B. Prep and paint 1,880 SF of Interior wall with mold remediation.

Metal Chemical Lab:

- A. Remove and replace 36 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (288 SF).
- B. Prep and paint 740 SF of Interior wall with mold remediation.
- C. Replace 1 EA of Medical Grade Metal Refrigerator, 31 IN long x 28 IN wide x 64 IN high.

Micro Bacteriology Lab:

- A. Remove and replace 118 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (944 SF).

- B. Prep and paint 1,280 SF of Interior wall with mold remediation.
- C. Remove and replace 118 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (944 SF).
- D. Prep and paint 1,280 SF of Interior wall with mold remediation.

Milk Chemistry Lab:

- A. Remove and replace 118 EA of acoustic ceiling tiles and grid suspension system, 4 FT x 2 FT (944 SF).
- B. Prep and paint 1,000 SF of Interior wall with mold remediation.

Northeast Entry:

- A. Remove and replace 1 EA of sliding glass storefront window (19.83 SF).

Potable Water Inorganic Lab:

- A. Prep and paint 680 SF of Interior wall with mold remediation.
- B. Repair 20 LF concrete shear cracks in Interior Wall.
- C. Remove and replace 2 EA of hung fluorescent ceiling lamps (2 ft. X 4 ft.).
- D. Remove and replace 1 EA of hung fluorescent ceiling lamps (1 ft. X 8 ft.).

Metal:

- A. Remove and replace 264 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Preparation:

B. Remove and replace 286 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Wash:

C. Remove and replace 132 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Wash General:

D. Remove and replace 130 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Wet Chemistry 1:

E. Remove and replace 195 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Wet Chemistry 2:

F. Remove and replace 209 SF of acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

Potable Water Organic Extractions Lab:

A. Remove and replace 760 SF of medical grade acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT.

B. Prep and paint 1,100 SF of interior wall with mold remediation.

C. Remove and replace 380 SF of wrap-around HVAC ductwork insulation (1.5 IN thick x 0.75 IN density).

D. Remove and replace 2 EA of ceiling fluorescent lamp (2 ft. X 4 ft).

Potable Water Organic Lab:

A. Remove and replace 15 EA of medical grade acoustic ceiling tiles and grid suspension system, 2 FT x 4 FT(120 SF).

B. Prep and paint 440 SF of interior wall with mold remediation.

- C. Remove and replace 4 EA of fluorescent ceiling lamps (2 ft. X 4 ft.).

Production Lab 1:

- A. Prep and paint 2,360 SF of walls/ceiling, 40 FT long x 26 FT wide x 10 FT high.

Production Lab 2:

- A. Prep and paint 1,450 SF of walls/ceiling, 30 FT long x 17 FT wide x 10 FT high.

Proficiency Testing Lab:

- A. Remove and replace 68 EA of acoustic ceiling tiles and suspension system (544SF).
- B. Prep and paint 1,008 SF of interior wall with mold remediation.
- C. Remove and replace 2 EA of hung fluorescent ceiling lamp (1 ft. X 8 ft.).

Proficiency Testing Lab Office:

- A. Prep and paint 432 SF of exterior facing wall.

Rabies Lab:

- A. Remove and replace 50 EA of acoustic ceiling tiles and suspension system (400SF).
- B. Prep and paint 860 SF of interior plastered/sealed wall with mold remediation.
- C. Remove and replace 240 SF of medical grade acoustic ceiling tiles and suspension system (2ft. X 4 ft.).
- D. Repair 33 LF of ceiling perimeter seal crack and 330 SF of mold remediation.

Roof:

- A. Remove and replace 65,461 SF of concrete and metal roofing sealing system.
- B. Repair 2,374 SF of concrete roof with exposed rebar.

Second Floor:

- A. Remove and replace 14,023 SF of ceiling HVAC duct.

Secretary Office:

- A. Remove and replace 555 SF of painted gypsum interior wall, associated fur-down.

Sexual Transmission Disease Lab:

- A. Remove and replace 45 EA of acoustic ceiling tiles and suspension system (360SF).
- B. Prep and paint 760 SF of interior wall with mold remediation.

SIKA Receiving Lab:

- A. Prep and paint 960 SF of wall and ceiling paint.

Storage Room:

- A. Prep and paint 1,160 SF of interior wall with mold remediation.
- B. Grind and polish 216 SF of terrazzo floor and remove and replace 60 LF perimeter rubber baseboards.
- C. Remove and replace 25 EA of fluorescent ceiling lamp fixture (4 FT long x 2 FT wide).

Main Storage Area:

- A. Remove and replace 1,275 SF of acoustic ceiling tile and rusted "T" type grid suspension system.
- B. Remove and replace 1,764 SF of vinyl floor tile and 168 LF perimeter baseboards.

Mini Storage Area:

- A. Remove and replace 7 EA of acoustic ceiling tiles and suspension system (56SF).

Storage Room Ceiling:

- A. Replace 768 SF of 1in. urethane with paint sealer insulation.

Toxicology/Alcohol Lab:

- A. Prep and paint 747 SF of walls and ceiling paint (17 FT long x 11 FT wide x 10 FT high).
- B. Replace 1 EA of medical grade refrigerator, 31 IN long x 28 IN wide x 64 IN high.

Tuberculosis Lab:

- A. Remove and replace 589 EA of acoustic ceiling tiles and suspension system (4,712 SF).
- B. Remove and replace 320 SF of acoustic ceiling tiles and suspension system
- C. Seal 80 FT long Concrete Girder.
- D. Remove and replace 1,200 SF of vinyl floor and replace of 1,200 SF acoustic ceiling tiles with grid suspension system.

Tuberculosis Lab - Admin Area:

- A. Remove and replace 1,275 SF of wrap-around HVAC ductwork insulation, 1.5 IN x 0.75 density.

B. Prep and paint 736 SF of wall paint.

C. Remove and replace 1,920 SF of vinyl floor and replace of 1,920 SF acoustic ceiling tiles with grid suspension system.

Tuberculosis Lab:

A. Remove and replace 40 SF of HVAC ductwork insulation, 1.5 IN x 0.75 density.

Viral Load/HIV Lab:

A. Seal 1 EA 10 in. diameter unused exhaust duct opening above fume hood.

B. Prep and paint 1,196 SF of walls and ceiling, 22 FT x 18 FT x 10 FT high.

Women's Restroom:

A. Remove and replace 2 EA of acoustic ceiling tiles, 2FT x 4FT (16 SF).

**Vehicle or Equipment Damage:**

T.B Lab:

A. Replace 1 EA of Belt Driven Centrifugal Air Extraction Blowers.

Laboratorio de Salud Publica 1:

A. Remove and replace 1 EA of 80Kw generator, 80 kW.

Laboratorio de Salud Publica 2:

A. Remove and replace 1 EA of 50Kw generator.

Potable Water Inorganic Lab:

A. Remove and replace 1 EA of chemical fume hood, 4 FT x 2.5 FT, 16 IN diameter connection.

Potable Water Organic Extractions Lab:

A. Remove and replace 1 EA of Greenheck/SFB, belt driven centrifugal air extraction blower, 16 FT long x 10 IN in diameter.

B. Remove and replace 1 EA of chemical fume hood, 4 FT x 2.5 FT, 16 IN diameter connection.

Sexual Transmission Disease Viral Lab Rooftop:

A. Remove and replace 3 EA of packaged HVAC unit panels.

B. Remove and replace 1 EA of chemical fume hood, 4 FT x 2.5 FT, 16 IN diameter connection.

C. Remove and replace 1 EA of cooler unit.

Toxicology/Alcohol Lab:

A. Remove and replace 1 EA of rooftop A/C condensing unit.

Tuberculosis Lab:

A. Remove and replace 2 EA of chemical fume hoods, 4 FT x 2.5 FT, 16 IN diameter.

B. Remove and replace 1 EA of 500Kw generator.

Tuberculosis Lab Rooftop:

Remove and replace 2 EA belt driven centrifugal air extraction blowers, 16 FT long x 10 IN in diameter.



Work to be Completed Total: \$ \_\_\_\_\_

Cost Estimating Format Total: \$ \_\_\_\_\_

Deduction of initial A/E funds V0 (DI # 143448): \$ \_\_\_\_\_

Total Damage Inventory: \$ \_\_\_\_\_

**Scope Note:**

1. No BBA Scope document was provided by the applicant.
2. The A/E funds V0 was obligated for the quantity of \$ \_\_\_\_\_ as deducted from the funds given on this DI A/E calculation in the factor H.2 of \$ \_\_\_\_\_ to avoid double granting of funds. The final amount for A/E H.2 funds is \$ \_\_\_\_\_.
3. The Applicant requested the replacement of the Building A, see attachment labeled *49545-DR4339PR-Applicant Answer to RFI-PRJ-29803.pdf*.
4. As per "Public Assistance Program and Policy Guide V3.1", (V: Cost Eligibility part P), FEMA is legally prohibited from duplicating benefits, a replacement cost estimate was created for the Building "A", for that reason the work completed cost was not considered.

**Project Notes:**

1. All site for work to be completed were generated using RS means Software Data/Year 2020 Quarter 4 – PUERTO RICO / SAN JUAN and Future Price Factors for Zone San Juan. See document labeled *ST49545 - DR4339PR - CEF.xlsx*.
2. Cost Estimating Format (CEF) has been created for this project, see attachments labeled: *ST49545 - DR4339PR - CEF (DI 151626)*, *ST49545 - DR4339PR - CEF (DI 181598) Pavilion 1*, *ST49545 - DR4339PR - CEF (DI 181598) Pavilion 2*, *ST49545 - DR4339PR - CEF (DI 181598) Pavilion 3* and *ST49545 - DR4339PR - CEF (DI 181598) Pavilion 4*.
3. GPS coordinates have been checked for accuracy. See attachment labeled *ST49545 - DR4339PR - Email.pdf*.
4. For work to be completed, the applicant is required to obtain any necessary Federal, State, and Local environmental permits prior to the start of construction.
5. Work to be Completed:  
All borrow material must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provide the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g. a new pit, agricultural field, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for compliance with all applicable federal environment planning

and historic preservation laws and executive orders prior to a subrecipient or their contractor commencing borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at closeout.

6. Please look for Maintenance Records in applicant's section. See document labeled: 49545-DR4339PR-Building A - Maintenance Letter.pdf.

7. All procurement documents attached have been reviewed and will be in accordance with state and federal requirements. See attached documents labeled: 49545-DR4339 - PRDOH - Procurement Policy Spanish.pdf.

8. PUBLIC ASSISTANCE ALTERNATIVE PROCEDURES DR-4339: This Project/PW/Project is a PA Alternative Procedures Project and funding is capped based on the fixed-cost estimate agreements for each project. The fixed-cost estimate agreements for each project can be found as attachments in GWEMMIE. In accordance with the Public Assistance Alternative Procedures (Section 428) Guide for Permanent Work, FEMA-4339-DR-PR, funding can be shared across all of a Subrecipient's PA Alternative Procedures projects. The cumulative amount of all fixed cost estimates prepared for one Subrecipient represents a total consolidated subaward (total amount for use across all of a Subrecipient's damaged facilities). A Subrecipient may have one GM Project/PW/Project or multiple GM Projects/PW/Projects. If a Subrecipient has multiple GM Projects/PW/Projects, once the work has been completed on an individual GM Project/PW/Project or when a Subrecipient determines that there will be a cost underrun for an individual GM Project/PW/Project, a Subrecipient may request to move funding from one GM Project/PW/Project to another.

9. Applicant will comply with local, commonwealth, federal procurement laws, regulations and procedures.

\*\*\*\*\*Version 3\*\*\*\*\*

Version 3- Created to correct cost code, in previous versions. No change in Scope of Work.

## 406 HMP Scope

DI#151626 is a Laboratory building that was requested by the applicant to be evaluated for a full replacement. That information is included on the document named 49545-DR4339PR-Applicant Answer to RFI-PRJ-29803.pdf. As a replacement, the applicant may submit an alternate project. When the applicant submits an alternative project and the required documents, the Hazard Mitigation Proposal will be worked for the new project.

406 Hazard Mitigation cannot be applied to A&E Projects (Version 0), however, hazard mitigation opportunities may exist and be applied to the Permanent Work Project (Version 1) developed for Puerto Rico Department of Health: Building A. Hazard Mitigation opportunities should be considered during development of the Public Assistance repair scope of work.

## 181598 Building A Campus Pabillions (Annexes)

\*\*\*\*\*Version 1\*\*\*\*\*

### SCOPE OF WORK (SOW):

#### WORK TO BE COMPLETED:

This PW is to provide funding to the Sub recipient based on a cost estimate for A&E services related to the restoration of the damaged facility. As all permanent work under Hurricane Maria must be funded using alternative procedures authorized by Section 428 of the *Robert T. Stafford Disaster Relief and Emergency Assistance Act* (Stafford Act) based on fixed cost estimates, the funding for this project will be adjusted based

on the agreed-upon fixed-cost estimate developed after the DDD and SOW have been developed and agreed upon. The fixed-cost estimate must be agreed upon by October 11, 2019

This cost estimate will ultimately be included as supporting documentation for a fixed-cost sub award for the associated project to include engineering analysis and preliminary design to return the facilities to their pre-disaster design and capacity.

The sub award will describe the parameters of the analysis, and will be based on a percentage of the cost estimate for the work to return the facility to pre-disaster design and capacity. This cost estimate will ultimately be included as supporting documentation for a fixed-cost sub award for the associated project. All A&E costs associated with this funding will be reported by project utilizing the Reference Numbers provided in the attached Damage Inventory list.

At this time, the Sub-recipient has not compiled a comprehensive list of damages, and prepared restoration contract documents for returning their facilities to their pre-disaster design and capacity.

FEMA's PA HSS sector has prepared a Facility Damage Inventory list. (See attached DDD on the four (4) annexes). The costs estimating group (CEG) will use this list to establish a base cost for the applicant with all permanent projects work that do not include building contents, which would be eligible for A&E fees. The total estimated cost from the Damage Inventory will be calculated at a factor for A&E fees based on fees computed by the CEF H2 Factor for average complexity Curve B.

CEF damages repair cost from the CEG:

Annex 1 Building: \$ A&E fees: \$

Annex 2 Building: \$ A&E fees: \$

Annex 3 Building: \$ A&E fees: \$

Annex 4 Building: \$ A&E fees: \$

(A & E) Total Design Contract Cost for the four (4) annexes as per CEF section H.2 with Curve "B" amounts to a \$ (See attached CEF).

\*\*\*\*\*Version 2\*\*\*\*\*

#### Work to be completed

The applicant will utilize contracts and (or) force accounts for replacements for the Building A Campus Pavilions (Annexes) to restore facilities back to pre-disaster design, capacity and function and capacity (in-kind) within the existing footprint.

#### Pavilion #1:

##### 1st Floor

##### Ceiling:

- A. Remove and replace 5,934 SF of Acoustical Ceiling Grid.
- B. Remove and replace 5,934 SF of Acoustical Ceiling Tiles, 2 FT X 4 FT.

##### Flooring:

- A. Remove and replace 5,428 SF of VCT Flooring.

**Walls:**

- A. Remove and replace 1,632 SF Gypsum Interior Office Walls, mold
- B. Prep and paint 8,112 SF Interior Walls.

**2nd Floor****Ceiling:**

- A. Remove and replace 5,934 SF of Acoustical Ceiling Grid.
- B. Remove and replace 5,934 SF of Acoustical Ceiling Tiles, 2 FT X 4 FT.

**Flooring:**

- A. Remove and replace 5,428 SF of VCT Flooring.

**Walkway:**

- A. Prep and paint 5,280 SF Railing Steel (48 IN X 110 FT).

**Walls:**

- A. Remove and replace 1,376 SF Gypsum Interior Office Walls, mold
- B. Prep and paint 5,872 SF Interior Walls.

**Exterior:**

- A. Prep and paint 11,400 SF exterior concrete walls.

**Roof:**

- A. Remove and replace 8,850 SF of Built Up of Asphalt rolls, 1/4 IN (T) Cement boards, 3 IN (T) Rigid Insulation and 4 IN (W) X 4 IN (H) Wood blocking (purlins).
- B. Remove and replace 33 EA steel frame, 33 LF (4 IN X 6 IN).

Work to be Completed Total:

Cost Estimating Format Total:

**Pavilion #2:****1st Floor:****A/C Mechanics Room:**

- A. Remove and replace 50 SF of 12" x 12" vinyl flooring tile.
- B. Prep and paint 210 SF interior concrete wall paint.

- C. Remove and replace 1 EA of 2' x 4' fluorescent lamp.
- D. Remove and replace 1 EA of exterior metal double wing door, 4ft W x 7ft H.

**Bath 1:**

- A. Remove and replace 184 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 184 SF of 2" x 2" ceramic flooring tile.
- C. Prep and paint 434 SF interior concrete wall paint.
- D. Remove and replace 3 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 1 EA of exterior aluminum door, 3ft W x 7ft H.

**Bath 2:**

- A. Remove and replace 133 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 133 SF of 2" x 2" ceramic flooring tile, 19 FT long x 7 FT wide.
- C. Prep and paint 364 SF interior concrete wall paint.
- D. Remove and replace 2 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 1 EA of exterior aluminum door, 3ft W x 7ft H.

**Computer Server Room:**

- A. Remove and replace 30 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 30 SF of 12" x 12" vinyl flooring tile, 6 FT long x 5 FT wide.
- C. Prep and paint 154 SF interior concrete wall.
- D. Remove and replace 1 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 1 EA of exterior metal door, 3ft W x 7ft H.

**Hallway:**

- A. Remove and replace 184 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Prep and paint 322 SF exterior concrete wall paint.

**Office 1:**

- A. Prep and paint 189 SF interior wood wall.
- B. Prep and paint 49 SF interior concrete wall paint.
- C. Remove and replace 1 EA of interior hollow core wood door, 3ft W x 7ft H.
- D. Remove and replace 2 EA of 18 BTU air conditioner unit.

**Office 2:**

- A. Remove and replace 1 EA of 12 BTU air conditioner unit.
- B. Prep and paint 189 SF interior wood wall paint.
- C. Prep and paint 49 SF interior concrete wall paint.

- D. Remove and replace Building Interior, 2 EA of 36 BTU air conditioner unit.

**Room 1:**

- A. Remove and replace 391 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 391 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 399 SF interior concrete wall.
- D. Remove and replace 1 EA of exterior solid core wood door, 3ft W x 7ft H.
- E. Prep and paint 161 SF interior wood wall.
- F. Remove and replace 12 EA of 2' x 4' fluorescent lamp.

**Room 2:**

- A. Remove and replace 1,081 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 1,081 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 560 SF interior concrete wall.
- D. Prep and paint 322 SF interior wood wall paint.
- E. Remove and replace 17 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 1 EA of exterior solid core wood door, 3ft W x 7ft H.

**Room 3:**

- A. Remove and replace 1,150 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 1,150 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 1,022 SF interior concrete wall.
- D. Remove and replace 16 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 3 EA of exterior solid core wood door, 3ft W x 7ft H.

**Room 4:**

- A. Remove and replace 1,265 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 1,265 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 1,092 SF interior concrete wall.
- D. Remove and replace 24 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 2 EA of exterior solid core wood door, 3ft W x 7ft H.

**Storage 1:**

- A. Remove and replace 28 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 28 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 126 SF interior concrete wall paint.
- D. Remove and replace 1 EA of exterior solid core wood door, 3ft W x 7ft H.
- E. Remove and replace 1 EA of 2' x 2' fluorescent lamp.

**Telephone Control Room:**

- A. Remove and replace 30 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 30 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 154 SF interior concrete wall.
- D. Remove and replace 1 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 1 EA of exterior metal door, 3ft W x 7ft H.

**2nd Floor:****Bath 1:**

- A. Remove and replace 184 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 184 SF of 2" x 2" ceramic flooring tile.
- C. Prep and paint 112 SF interior concrete wall.
- D. Prep and paint 322 SF interior drywall paint.
- E. Remove and replace 3 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 1 EA of exterior solid core wood door, 3ft W x 7ft H.

**Bath 2:**

- A. Remove and replace 152 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 152 SF of 2" x 2" ceramic flooring tile.
- C. Prep and paint 56 SF interior concrete wall.
- D. Prep and paint 266 SF interior drywall paint.
- E. Remove and replace 3 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 1 EA of exterior solid core wood door, 3ft W x 7ft H.

**Office 1:**

- A. Remove and replace 207 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 207 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 287 SF interior concrete wall.
- D. Remove and replace 4 EA of 2' x 4' fluorescent lamp.
- E. Prep and paint 266 SF interior drywall.

**Office 2:**

- A. Remove and replace 168 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 168 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 98 SF interior concrete wall.
- D. Remove and replace 1 EA of interior hollow core wood door, 3ft W x 7ft H.

- E. Remove and replace 4 EA of 2' x 4' fluorescent lamp.

**Office 3:**

- A. Remove and replace 72 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 72 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 42 SF interior concrete wall paint, 6ft L x 7ft H.
- D. Prep and paint 210 SF interior drywall.
- E. Remove and replace 2 EA of 2' x 4' fluorescent lamp.
- F. Prep and paint 77 SF interior concrete wall.

**Office 4:**

- A. Remove and replace 165 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 165 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 287 SF interior concrete wall paint.
- D. Remove and replace 2 EA of 2' x 4' fluorescent lamp.
- E. Remove and replace 1 EA of interior hollow core wood door, 3ft W x 7ft H.

**Office 5:**

- A. Remove and replace 72 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 72 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 63 SF interior concrete wall paint.
- D. Prep and paint 175 SF interior drywall.
- E. Remove and replace 1 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 1 EA of interior hollow core wood door, 3ft W x 7ft H.

**Reception Area:**

- A. Remove and replace 220 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 220 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 140 SF interior concrete wall paint.
- D. Prep and paint 294 SF interior drywall.
- E. Remove and replace 6 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 2 EA of exterior solid core wood door, 3ft W x 7ft H.

**Room 1:**

- A. Remove and replace 713 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 713 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 434 SF interior concrete wall paint.
- D. Prep and paint 322 SF interior drywall.



- E. Remove and replace 12 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 2 EA of exterior solid core wood door, 3ft W x 7ft H.

**Room 2:**

- A. Remove and replace 2,300 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Remove and replace 2,300 SF of 12" x 12" vinyl flooring tile.
- C. Prep and paint 1,561 SF interior concrete wall paint.
- D. Prep and paint 161 SF interior drywall.
- E. Remove and replace 60 EA of 2' x 4' fluorescent lamp.
- F. Remove and replace 3 EA of interior hollow core wood door, 3ft W x 7ft H.

**Roof:**

- A. Remove and replace 6,720 SF of roof built-up, 210 FT long x 32 FT wide.
- B. Remove and replace 27 EA of I shape steel beams, 32 FT long x 2 IN wide x 6 IN high.

**Structure:**

- A. Prep and paint 9,400 SF exterior concrete wall paint.
- B. Remove and replace 118 EA of (60-inch H x 30-inch W) aluminum jalousie windows.
- C. Remove and replace 12 EA of (30-inch H x 30-inch W) aluminum jalousie windows.
- D. Remove and replace 13,440 SF of electrical outlets, switches, wiring.

**1st Floor Concrete Sidewalk:**

- A. Remove and replace 43.5185 CY of exterior concrete sidewalk, 470 FT long x 5 FT wide x 6 IN deep.

**2nd Floor Deck:**

- A. Remove and replace 27 EA of I shape steel beams, 32 FT long x 4 IN wide x 12 IN high.

**2nd Floor Steel Walkway:**

- A. Remove and replace 750 LF of 2" round steel tubing 4' OC used as main posts and top, middle and bottom rails, 1" round steel tubing 6" OC, 3/4" expanded metal in portions of 18" x 4', exterior steel fence paint, (250 LF) x 3, LF.

Work to be Completed Total:                     

Cost Estimating Format Total:                     

**Pavilion #3:**

**Annex Building:**

- A. Prep and paint 2,442 SF of concrete exterior wall paint.
- B. Prep and paint 1,200 SF of concrete exterior wall paint.

**Entrance:**

- A. Repair 0.19 CY of concrete exterior wall.

**Offices:**

- A. Remove and replace 1,350 SF of suspended acoustic 2' x 4' tile and grid system.
- B. Prep and paint 1,908 SF of concrete interior wall paint.

**Roof:**

- A. Remove and replace 3,350 SF of bituminous concrete roof sealant.

**West Side:**

- A. Repair 1 EA of wrought Iron security bars, 9 FT wide x 5 FT high.

**Main Building:**

**Hallway:**

- A. Remove and replace 1 EA of solid metal door, 3 ft wide x 7 ft high.
- B. Remove and replace 1 EA of solid metal double door, 4.5 ft wide x 7 ft high.
- C. Remove and replace 172.5 SF of acoustic ceiling tiles and grid.

**HVAC Room:**

- A. Remove and replace 1 EA of solid metal double door, 4.5 ft wide x 7 ft high.
- B. Prep and paint 288 SF of concrete wall paint.
- C. Remove and replace 1 EA of fluorescent lamp, 1 ft wide x 4 ft long (2 bulb).
- D. Remove and replace 60 SF of vinyl floor tiles.

**Machinery Room:**

- A. Remove and replace 4 EA of jalousie aluminum windows, 2.5 ft wide x 5 ft high.
- B. Remove and replace 124.2 SF of acoustic ceiling tiles and grid.

**Men's Bathroom:**

- A. Remove and replace 2 EA of jalousie aluminum windows, 2.5 ft wide x 2.5 ft high.
- B. Remove and replace 1 EA of solid wood door, 3 ft wide x 7 ft high.
- C. Remove and replace 172.5 SF of acoustic ceiling tiles and grid.
- D. Prep and paint 549 SF of concrete wall.

**Room 1:**

- A. Remove and replace 12 EA of jalousie aluminum windows, 2.5 ft wide x 5 ft high.
- B. Remove and replace 2 EA of jalousie aluminum windows, 2.5 ft wide x 2.5 ft high.

- C. Remove and replace 1 EA of solid wood door, 3 ft wide x 7 ft high.
- D. Remove and replace 747.5 SF of acoustic ceiling tiles and grid.
- E. Prep and paint 999 SF of concrete wall paint.
- F. Remove and replace 8 EA of fluorescent 2 ft x 4 ft lamp (4 bulb).
- G. Remove and replace 747.5 SF of vinyl floor tiles.
- H. Remove and replace 1 EA of HC wood door, 2.5 ft wide x 7 ft high.

**Room 2:**

- A. Remove and replace 14 EA of jalousie aluminum windows, 2.5 ft wide x 5 ft high.
- B. Remove and replace 1 EA of solid wood door, 3 ft wide x 7 ft high.
- C. Remove and replace 920 SF of acoustic ceiling tiles and grid.
- D. Prep and paint 1134 SF of concrete wall.
- E. Remove and replace 12 EA of fluorescent 2 ft x 4 ft lamp (4 bulb).
- F. Remove and replace 920 SF of vinyl floor tiles.

**Room 3:**

- A. Remove and replace 1 EA of solid wood door, 3 ft wide x 7 ft high.
- B. Remove and replace 1667.5 SF of acoustic ceiling tiles and grid.
- C. Remove and replace 1667.5 SF of vinyl floor tiles.
- D. Prep and paint 1719 SF of concrete wall paint.
- E. Remove and replace 30 EA of jalousie aluminum windows, 2.5 ft wide x 5 ft high.
- F. Remove and replace 10 EA of fluorescent 2 ft x 4 ft lamp (4 bulb).

**Room 4:**

- A. Remove and replace 11 EA of jalousie aluminum windows, 2.5 ft wide x 5 ft high.
- B. Remove and replace 1 EA of solid wood door, 3 ft wide x 7 ft high.
- C. Remove and replace 759 SF of acoustic ceiling tiles and grid.
- D. Remove and replace 2 EA of fluorescent 2 ft x 4 ft lamp (4 bulb).
- E. Prep and paint 801 SF of concrete wall.
- F. Remove and replace 759 SF of vinyl floor tiles, 33 ft long x 23 ft wide.

**Structure:**

- A. Prep and paint 2070 SF of concrete wall.
- B. Prep and paint 2559 SF of concrete wall.
- C. Prep and paint 1746 SF of plycem eves ceiling.

**Roof:**

- A. Remove and replace 7020 SF of structural insulated roof panel, 4-inch.

- B. Remove and replace 7020 SF of bituminous roof sealant.

**West Side:**

- A. Remove and replace 5 EA of wall mounted lamps.

**Women's Bathroom:**

- A. Remove and replace 2 EA of jalousie aluminum windows, 2.5 ft wide x 2.5 ft high.  
B. Remove and replace 2 EA of jalousie aluminum windows, 2.5 ft wide x 2.5 ft high.  
C. Remove and replace 2 EA of solid wood door, 3 ft wide x 7 ft high.  
D. Remove and replace 172.5 SF of acoustic ceiling tiles and grid.  
E. Prep and paint 549 SF of concrete wall paint.

Work to be Completed Total: \$

Cost Estimating Format Total: \$

**Pavilion #4:**

**Annex Building:**

**Doors:**

- A. Remove and replace 9 each of solid wood double door and frame, 72 IN wide x 93 IN high.

**Roof:**

- A. Remove and replace 1,652 SF of galvalume metal roof.

**Walls:**

- A. Prep and paint 1,311 SF of concrete exterior wall.  
B. Prep and paint 563.5 SF of concrete exterior wall.  
C. Prep and paint 540.5 SF of concrete interior wall.  
D. Prep and paint 642 SF of concrete interior wall.

**Main Building:**

**Ceiling:**

- A. Remove and replace 2,929 SF of acoustic ceiling tiles and grid.

**Doors:**

- A. Remove and replace 2 EA of hollow metal double door and frame, 52in. W x 81 in. H.  
B. Remove and replace 9 EA of solid wood doors and frame, 38 in. W x 81 in. H.

**Lighting:**

- A. Remove and replace 34 EA of fluorescent 2 ft x 4 ft lamp (2 bulb).

**Roof:**

- A. Remove and replace 6,148 SF of SBS (Danosa) roof waterproofing membrane.

**Walls:**

- A. Prep and paint 960 SF of exterior north and south walls.
- B. Prep and paint 3,838 SF of exterior east and west walls.
- C. Prep and paint 667 SF of interior north and south walls.
- D. Prep and paint 2,900 SF of interior east and west walls.

**Office Trailer:**

- A. Remove and replace 1,008 SF of roof waterproofing membrane.

Work to be Completed Total:                     

Cost Estimating Format Total:                     

Work to be Completed Total:                     

Cost Estimating Format Total: \$                     

Deduction of Initial AVE funds:                     

Total Damage Inventory:                     

**Scope Notes:**

1. No BBA Scope document was provided by the applicant.
2. The Applicant requested the replacement of the Pavilion #1 and Pavilion #2, see attachment labeled *MHOD026\_A&E for Building A - PW 00720\_Report Rev. 2020.01.31.pdf*.
3. The A&E funds V1 was obligated for the quantity of \$7,786.00 was deducted from the funds given on this DI A&E calculation in the factor H.2 of \$ 276,028.00 to avoid double granting of funds. The final amount for A&E H.2 funds for the Pavilion #1 is \$268,242.00. ✓
4. The A&E funds V1 was obligated for the quantity of \$8,814.00 was deducted from the funds given on this DI A&E calculation in the factor H.2 of \$243,154.00 to avoid double granting of funds. The final amount for A&E H.2 funds for the Pavilion #2 is \$234,340.00. ✓
5. The A&E funds V1 was obligated for the quantity of \$2,536.00 was deducted from the funds given on this DI A&E calculation in the factor H.2 of \$227,934.00 to avoid double granting of funds. The final amount for A&E H.2 funds for the Pavilion #3 is \$225,398.00. ✓
6. The A&E funds V1 was obligated for the quantity of \$2,971.00 was deducted from the funds given on this DI A&E calculation in the factor H.2 of \$175,830.00 to avoid double granting of funds. The final amount for A&E H.2 funds for the Pavilion #4 is \$172,859.00. ✓

\*\*\*\*\*Version 3\*\*\*\*\*

Version 3- Created to correct cost code, in previous versions. No change in Scope of Work.

## 406 HMP Scope

Project 49545 DI#181598 not changes were done nelther HMP, so we will proceed and push this project forward. The reason is because the PDMG Jesus A Garay Vega informed during a teleconference meeting that the applicant requested a replacement of the facilities of the Project 49545 DI#181598 using the 50% rule. When the applicant submits an alternative project and the required documents, the Hazard Mitigation Proposal will be worked for the new project.

406 Hazard Mitigation cannot be applied to A&E Projects (Version 0), however, hazard mitigation opportunities may exist and be applied to the Permanent Work Project (Version 1) developed for Puerto Rico Department of Health: Building A. Hazard Mitigation opportunities should be considered during development of the Public Assistance repair scope of work.

## Cost

Code	Quantity	Unit	Total Cost	Section
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	\$	Completed
3510 (VO_MHOD253 A/E Assessment Services)	1.00	Lump Sum	\$	Uncompleted
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	\$	Completed
9000 (CEF Cost Estimate)	1.00	Lump Sum	\$	Completed
9000 (V2_CEF Cost Estimate)	1.00	Lump Sum	\$	Uncompleted
3510 ( V3_De-obligation Annex (1-4) - Engineering And Design Services)	1.00	Lump Sum	\$	Uncompleted
9201 (PAAP Fixed Estimate (No Value - Tracking Purposes Only))	1.00	Lump Sum	\$	Completed
3510 (V1_Annex 3 - Engineering And Design Services)	1.00	Lump Sum	\$	Uncompleted
3510 (V1_Annex 4 - Engineering And Design Services)	1.00	Lump Sum	\$	Uncompleted
3510 (V1_Annex 1 - Engineering And Design Services)	1.00	Lump Sum	\$	Uncompleted
3510 (V1_Annex 2 - Engineering And Design Services)	1.00	Lump Sum	\$	Uncompleted
9000 (V2_CEF Cost Estimate)	1.00	Lump Sum	\$	Uncompleted
9000 (V2_CEF with deduction from initial A/E funds)	1.00	Lump Sum	\$	Uncompleted

CRC Gross Cost	\$
Total 406 HMP Cost	\$
Total Insurance Reductions	\$
CRC Net Cost	\$
Federal Share (90.00%)	\$
Non-Federal Share (10.00%)	\$

## Award Information

### Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
0	Eligible	Awarded	PA-02-PR-4339-PW-00720(805)		90 %		8/30/2018
1	Eligible	Awarded	PA-02-PR-4339-PW-00720(1823)		90 %		11/8/2019
2	Eligible	Awarded	PA-02-PR-4339-PW-00720(9211)		90 %		7/2/2021
3	Eligible	Notified			90 %		

### Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
8/18/2021	4339DRPRP00007201	201710SQ-04142021	4/13/2021	

### Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
-----------	----------------	----------------	------------	--------------	--------------------



## Subgrant Conditions

- As described in 2 CFR, Part 200 § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a sub-recipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions, Part 200.333, (a) – (f), (1), (2). All records relative to this Project Worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- The Recipient must submit its certification of the subrecipient's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work, or the project deadline, whichever occurs first. FEMA reimburses Large Projects (those with costs above the large project threshold) based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- Additional subawards can be included in this consolidation during the 12 months following the date of declaration. Subrecipient agrees to fund any overrun associated with completion of the work.
- The terms of the FEMA-State Agreement are incorporated by reference into this project award under the Public Assistance grant and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Policy and Program Guide; and other FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the date of the declaration of this major disaster are incorporated by reference into this project award under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at 2 C.F.R. pt. 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. pt. 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The applicant must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the applicant commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.

## Insurance

### Additional Information

06/29/2021

**GENERAL INFORMATION**

Event: 4339DR-PR

Project: ST 49545

Category of Work: Cat E - Buildings & Equipment

Applicant: PR DEPARTMENT OF HEALTH (000-U4OVB-00)

Event Type: Hurricane

Cause of Loss: Wind / Wind Driven Rain

Incident Period: 9/17/2017 to 11/15/2017

Total Public Assistance Amount: \$ \_\_\_\_\_ (P Amount)

**COMMERCIAL INSURANCE INFORMATION**

Does the Applicant have a Commercial Policy: Yes

Policyholder per Policy Documents: "Departamento de Salud"

Policy Issued by: Triple-S Propiedad

Policy Number: 30-CF-85034558-0

Policy Period: From: 04/07/2017 To: 04/07/2018

Policy Valuation: Blanket Policy

Policy Limits: \$ \_\_\_\_\_

RCV or ACV: Replacement Cost Value

Deductible Type: % of SOV : 2%

Does the Applicant's Commercial Policy extend coverage for the damage described in this project: Yes

The amount of the deductible being funded in this project is \$ \_\_\_\_\_

Final Insurance Settlement Status: Insurance proceeds for this project are anticipated

The amount of Anticipated Insurance Reduction applied for Project: \$ \_\_\_\_\_

**NUMBER OF DAMAGED INVENTORIES INCLUDED IN THIS PROJECT: (3)**

**Damaged Inventory (DI) #143448:**

A/E Assessment Services

Number of damaged locations included in this DI: (1)

Location Description: Hospital Laboratories

GPS Coordinates: 18.39012, -66.07410

Cause of Loss: Wind / Wind Driven Rain

Damage Inventory Amount: / Repair Amount + \$ (HMP Amount)

Prior Obtain and Maintain Requirement:

No prior insurance requirements were found for this facility.

Reduction(s):

No Reduction is being made to this facility.

Obtain and Maintain Requirement:

An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for Laboratorio de Salud Pública de PR - Building A - A/E Assessment Services in the amount of \$ Repair Amount + HMP Amount).

Damaged Inventory (DI) #151626:

**Laboratorio de Salud Pública de PR - Building A**

Number of damaged locations included in this DI: (1)

Location Description: 1111 Calle Ceaser Teniete, San Juan, PR 00929

GPS Coordinates: 18.39006, -66.07375

Cause of Loss: Wind / Wind Driven Rain

SOV / Schedule #: Building 22

SOV / Schedule Amount: \$

\*Note: Per 'Claim Recap' document from Claims Management Public Adjusters; Location: Building #22 shows Buildings A, E, J, and H all insured together with a combined \$ it. No other damages to these buildings have been formulated on FEMA projects to date, so all \$ in the Triple-S insurance advance have been applied to Building A in this project as a reduction against its FEMA costed repair amount\*

Applicable Deductible Amount: \$ of Building Limit on the Statement of Values (SOV)

Damage Inventory Amount: \$ Repair Amount + \$0.00 HMP Amount)

Prior Obtain and Maintain Requirement:

No prior insurance requirements were found for this facility.

Reduction(s):

A reduction is being made for anticipated insurance proceeds in the amount up to the insured limit for this facility. FEMA's costing estimate exceeds the insured limit for this facility. The deductible in the amount of \$ will not be considered for funding as it is anticipated that it would not have been incurred by the applicant.

Obtain and Maintain Requirement:

An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for Laboratorio de Salud Pública de PR - Building A in the amount of [REDACTED] (Insurable Repair Amount + Insurable HMP Amount).

**Damaged Inventory (DI) #181598:**

**Building A Campus Pabillions (Annexes)**

Number of damaged locations included in this DI: (4)

Location Description: 1111 Calle Teniente Cesar Gonzalez San Juan, PR 00929

GPS Coordinates: 18.39031, -66.07408

Cause of Loss: Wind / Wind Driven Rain

SOV / Schedule #: *Annexes were uninsured at time of loss*

Damage Inventory Amount: [REDACTED] Repair Amount + HMP Amount)

**Prior Obtain and Maintain Requirement:**

No prior insurance requirements were found for this facility.

**Reduction(s):**

No Reduction is being made to this facility.

**Obtain and Maintain Requirement:**

An Obtain & Maintain Requirement is being required for Building for the peril of Wind (all wind associated losses including "wind driven rain" for Building A Campus Pabillions (Annexes) in the amount of \$ [REDACTED] Repair Amount + HMP Amount).

*If insured individually, the Pavillions' Insurance requirements would be as follows:*

***Pavillion 1:***

Obtain & Maintain for the Building

Cause of Loss: Wind (all wind associated losses including 'wind driven rain')

Amount of Insurance Required: \$ [REDACTED]

***Pavillion 2:***

Obtain & Maintain for the Building

Cause of Loss: Wind (all wind associated losses including 'wind driven rain')

Amount of Insurance Required: [REDACTED]

***Pavillion 3:***

Obtain & Maintain for the Building

Cause of Loss: Wind (all wind associated losses including 'wind driven rain')

Amount of Insurance Required:                     

**Pavillion 4:**

Obtain & Maintain for the Building

Cause of Loss: Wind (all wind associated losses including 'wind driven rain')

Amount of Insurance Required:                     

**Actual Insurance Proceeds Statement:**

FEMA's Recovery Policy FP 206-086-1, Public Assistance Policy on Insurance (June 29, 2015), requires applicants to take reasonable efforts to recover insurance proceeds that it is entitled to receive from its insurers. FEMA will consider final insurance settlements that may be less than the insurance policy limits when an applicant demonstrates that it has taken reasonable efforts to recover insurance proceeds that it is entitled on a case-by-case basis.

**Standard Insurance Comments**

**FEMA Policy 206-086-1**

**PART 2: Other Insurance-Related Provisions. (Sections 312 and 406(d) of the Stafford Act)**

**A. Duplication of Benefits.** FEMA cannot provide assistance for disaster-related losses that duplicate benefits available to an applicant from another source, including insurance.

1. Before FEMA approves assistance for a property, an applicant must provide FEMA with information about any actual or anticipated insurance settlement or recovery it is entitled to for that property.
2. FEMA will reduce assistance to an applicant by the amount of its actual or anticipated insurance proceeds.
3. Applicants must take reasonable efforts to recover insurance proceeds that they are entitled to receive from their insurer(s).

**Obtain and Maintain Requirements:**

**44 CFR § 206.253 Insurance requirements for facilities damaged by disasters other than flood.**

(a) Prior to approval of a Federal grant for the restoration of a facility and its contents which were damaged by a disaster other than flood, the recipient shall notify the Regional Administrator of any entitlement to insurance settlement or recovery for such facility and its contents. The Regional Administrator shall reduce the eligible costs by the actual amount of insurance proceeds relating to the eligible costs.

(b)

(1) Assistance under section 406 of the Stafford Act will be approved only on the condition that the recipient obtain and maintain such types and amounts of insurance as are reasonable and necessary to protect against future loss to such property from the types of hazard which caused the major disaster. The extent of insurance to be required will be based on the eligible damage that was incurred to the damaged facility as a result of the major disaster. The Regional Administrator shall not require greater types and extent of insurance than are certified as reasonable by the State Insurance Commissioner.

(2) Due to the high cost of insurance, some applicants may request to insure the damaged facilities under a blanket insurance policy covering all their facilities, an insurance pool arrangement, or some combination of these options. Such an arrangement may be accepted for other than flood damages. However, if the same facility is damaged in a similar future disaster, eligible costs will be reduced by the amount of eligible damage sustained on the previous disaster.

(c) The Regional Administrator shall notify the recipient of the type and amount of insurance required. The recipient may request that the State Insurance Commissioner review the type and extent of insurance required to protect against future loss to a disaster-damaged facility, the Regional

Administrator shall not require greater types and extent of insurance than are certified as reasonable by the State Insurance Commissioner.

(d) The requirements of section 311 of the Stafford Act are waived when eligible costs for an insurable facility do not exceed \$5,000. The Regional Administrator may establish a higher waiver amount based on hazard mitigation initiatives which reduce the risk of future damages by a disaster similar to the one which resulted in the major disaster declaration which is the basis for the application for disaster assistance.

(e) The recipient shall provide assurances that the required insurance coverage will be maintained for the anticipated life of the restorative work or the insured facility, whichever is the lesser.

(f) No assistance shall be provided under section 406 of the Stafford Act for any facility for which assistance was provided as a result of a previous major disaster unless all insurance required by FEMA as a condition of the previous assistance has been obtained and maintained.

**For large projects:** Final Obtain and Maintain requirement amount will be determined during the closeout process after the final actual eligible costs to repair or replace the insurable facility have been determined.

#### **FEMA Policy 206-086-1**

**F. Timeframes for Obtaining Insurance.** FEMA will only approve assistance under the condition that an applicant obtains and maintains the required insurance.

The applicant must document its commitment to comply with the insurance requirement with proof of insurance.

If an applicant cannot insure a facility prior to grant approval (for example, if a building is being reconstructed), the applicant may provide a letter of commitment stating that they agree to the insurance requirement and will obtain the types and extent of insurance required, followed at a later date by proof of insurance once it is obtained. In these cases, the applicant should insure the property:

- a. When the applicant resumes use of or legal responsibility for the property (for example, per terms of construction contract or at beneficial use of the property); or
- b. When the scope of work is complete.

FEMA and the recipient will verify proof of insurance prior to grant closeout to ensure the applicant has complied with the insurance requirement.

An applicant should notify FEMA—in writing through the recipient—of changes to their insurance which impact their ability to satisfy the insurance requirement after it provides proof of insurance to FEMA. This includes changes related to self-insurance. If an applicant fails to do this, FEMA may de-obligate assistance and not provide assistance in a future disaster.

**Charlotte De Jesus Negron, PA Insurance Specialist**

**CRC Atlantic, Guaynabo, PR**

#### **O&M Requirements**

Insured Peril	Item Type	Description	Required Coverage Amount
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for Laboratorio de Salud Pública de PR - Building A - A/E Assessment Services in the amount of (Repair Amount + IMP Amount).	

Insured Peril	Item Type	Description	Required Coverage Amount
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for Laboratorio de Salud Pública de PR - Building A in the amount of \$ Insurable Repair Amount + \$ Insurable HMP Amount),/ Repair Amount + HMP Amount). ✓	
Wind	Building	An Obtain & Maintain Requirement is being required for Building, for the peril of Wind (all wind associated losses including "wind driven rain" for Building A Campus Pabillions (Annexes) in the amount of \$ Repair Amount + HMP Amount). If insured individually, the Pavillions' Insurance requirements would be as follows: Pavillion 1: Obtain & Maintain for the Building Cause of Loss: Wind (all wind associated losses including 'wind driven rain' Amount of Insurance Required: \$ Pavillion 2: Obtain & Maintain for the Building Cause of Loss: Wind (all wind associated losses including 'wind driven rain' Amount of Insurance Required: \$ Pavillion 3: Obtain & Maintain for the Building Cause of Loss: Wind (all wind associated losses including 'wind driven rain' Amount of Insurance Required: \$ Pavillion 4: Obtain & Maintain for the Building Cause of Loss: Wind (all wind associated losses including 'wind driven rain' Amount of Insurance Required: \$ ✓	

## 406 Mitigation

There is no additional mitigation information on MHOD253 A/E Technical Evaluation Building A and Pavillions (Annexes) and Permanent Work.

## Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

(No)

### EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- NEPA Determination: The level of detail required for EHP review of the construction phase is not included in the present version. Therefore, EHP review of the project will not be complete at the time of obligation. Upon completion of the A&E phase, the project must be versioned and resubmitted for EHP review. Work may not begin until EHP review of the construction phase is complete and documented in a Record of Environmental Consideration (REC) that is attached in Grants Manager. Failure to version the project at the close of the A&E phase will result in a project that is not compliant with federal EHP laws and executive orders, which may jeopardize funding, may affect eligibility, and could result in the project becoming ineligible for federal funding.

### EHP Additional Info

There is no additional environmental historical preservation on MHOD253 AE  
Technical Evaluation Building A and Pavilions (Annexes) and Permanent  
Work

## Final Reviews

### Final Review

**Reviewed By** Moreno Rivera, Jose A.

**Reviewed On** 06/30/2021 8:20 AM AST

#### Review Comments

This Version was created to correct an error in GM and reconcile version information between EMMIE and Grants Manager. No changes were made to SOW or Cost. Therefore, the project will move forward without changes. Advanced to Recipient.

### Recipient Review

**Reviewed By** Moreno Rivera, Jose A.

**Reviewed On** 06/30/2021 8:22 AM AST

#### Review Comments

This Version was created to correct an error in GM and reconcile version information between EMMIE and Grants Manager. No changes were made to previously reviewed and approved SOW or Cost. Therefore, the project will move forward. Approved on behalf of the Recipient as direct by PA Leadership to advance to obligation. Recipient is on board with this action.

## Fixed Cost Offer

As a Public Assistance (PA) Subrecipient PR Department of Health (000-U4OVB-00), in accordance with Section 428 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the Applicant agrees to accept a permanent work subaward based on a Fixed Cost Offer in the amount of \$ for subaward number 720 under Disaster # 4339. The Applicant accepts responsibility for all costs above the Fixed Cost Offer.

The Applicant understands that by participating in this pilot program they will be reimbursed for allowable costs in accordance with 2 CFR Part 200, and the reimbursement will not exceed the Fixed Cost Offer. The Applicant also understands that by agreeing to this Fixed Cost Offer, they will not receive additional funding related to the facilities or sites included in the subaward. The Applicant also acknowledges that failure to comply with the requirements of applicable laws and regulations governing assistance provided by FEMA and the PA Alternative Procedures Pilot Program Guidance (such as procurement and contracting; environmental and historic preservation compliance; and audit and financial accountability) may lead to loss of federal funding.

## Project Signatures

**Signed By** Colón González, Johnny

**Signed On** 06/30/2021